AFRL-HE-AZ-TP-2007-0008

Directory of AFRL/HEA Technical Publications Submitted to DTIC from 1969 to 2007

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September 2007

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REPORT DOCUMENTATION PAGE

1. REPORT DATE (DD-MM-YYYY) 15-09-2007	2. REPORT TYPE Final	3. DATES COVERED (From - To) September 1969 to September 2007

4. TITLE AND SUBTITLE	5a. CONTRACT NUMBER
Directory of AFRL/HEA Technical Publications Submitted to DTIC from 1969 to 2007	
	5b. GRANT NUMBER
	5c. PROGRAM ELEMENT NUMBER 62202F

6. AUTHOR(S)	5d. PROJECT NUMBER 1123
Herbert H. Bell *Elizabeth P. Casey	5e. TASK NUMBER AM
	5f. WORK UNIT NUMBER 01

7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES)	8. PERFORMING ORGANIZATION REPORT NUMBER
Air Force Research Laboratory *Karta Technologies Inc Human Effectiveness Directorate 6030 South Kent Street Warfighter Readiness Research Division Mesa AZ 85212-6061 6030 South Kent Street Mesa AZ 85212-6061	

9. SPONSORING / MONITORING AGENCY NAME(S) AND ADDRESS(ES)	10. SPONSOR/MONITOR'S ACRONYM(S) AFRL; AFRL/HEA
Air Force Research Laboratory Human Effectiveness Directorate Warfighter Readiness Research Division 6030 South Kent Street Mesa AZ 85212-6061	11. SPONSOR/MONITOR'S REPORT NUMBER(S) AFRL-HE-AZ-TR-2007-0008

12. DISTRIBUTION / AVAILABILITY STATEMENT
Approved for public release; distribution is unlimited.

13. SUPPLEMENTARY NOTES

14. ABSTRACT
Since 1969, the Air Force Research Laboratory, Human Effectiveness Directorate, Warfighter Readiness Research Division (AFRL/HEA) has submitted technical publications to the Defense Technical Information Center (DTIC) documenting the unique research and development efforts conducted by this organization to improve warfighter training. However, since the inception of AFRL/HEA, there have been many name changes to reflect the basic mission of this organization. The list of documents in this paper was prepared to assist the user in finding all publications published by this division, irregardless of the organization name at the time of publication.

15. SUBJECT TERMS
AFHRL; AFRL/HEA; Air Force Human Resources Laboratory; Air Force Research Laboratory; Armstrong Laboratory; Directory; Proceedings; Technical publications; Technical papers; Technical reports;

16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT	18. NUMBER OF PAGES	19a. NAME OF RESPONSIBLE PERSON Dr Herbert H. Bell
a. REPORT UNCLASSIFIED	b. ABSTRACT UNCLASSIFIED	c. THIS PAGE UNCLASSIFIED	UNLIMITED	73	19b. TELEPHONE NUMBER (include area code)

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AIR FORCE RESEARCH LABORATORY
HUMAN EFFECTIVENESS DIRECTORATE
WARFIGHTER READINESS RESEARCH DIVISION

The Warfighter Readiness Research Division of the Air Force Research Laboratory's Human Effectiveness Directorate is the Air Force's premier organization devoted to the exploitation of science and technology to improve warfighter training techniques and technologies. The division's research and development (R&D) programs dynamically contribute to the effectiveness and efficiency of warfighter training throughout the Air Force.

Formed in 1969, this organization performs its mission through two primary functions:

(a) behavioral R&D to solve warfighter training problems through improved technology, and

(b) engineering R&D to develop devices that become vehicles for R&D and warfighter training.

The people who staff these two areas form a diverse, multidisciplinary team of specialists ranging from research psychologists, R&D instructor pilots, and human factors specialists to electrical and aerospace engineers, physicists, and computer technologists. With this uncommon mix of expertise, the division converts training needs into knowledge and products needed to improve the warfighter combat effectiveness of operational commands.

This organization has undergone several name changes over the years to reflect its current mission. The chronology of these name changes is:

1969 to 1984 – Air Force Human Resources Laboratory, Flying Training Division (AFHRL/FT)

1985 to 1990 – Air Force Human Resources Laboratory, Operations Training Division (AFRL/OT)

1991 to 1997 – Armstrong Laboratory, Aircrew Training Research Division (AL/HRA)

1998 to 2004 – Air Force Research Laboratory, Warfighter Training Research Division (AFRL/HEA)

2004 to 30 September 1007 – Air Force Research Laboratory, Warfighter Readiness Research Division (AFRL/HEA)

To document the research efforts conducted by this organization, we use several kinds of reporting publications. These include traditional technical reports (TR); technical papers (TP), special reports (SR), and technical memoranda (TM)--all of which are directed toward the R&D community.

These publications are provided to the Defense Technical Information Center (DTIC) for placement in a central repository of government reports making them available to all authorized agencies.

This paper is a chronological listing of all division publications. The list includes the AFRL document number, the DTIC accession document (AD) number, job order number (JON), report title, and author(s), of all the documents that were published by the Warfighter Readiness Research Division since its inception in 1969.

Instructions for authorized government organizations/agencies and registered contractors to obtain copies of these documents from DTIC are on the Internet at http://stinet.dtic.mil.

DOCUMENT NUMBER	WORK UNIT NUMBER	2007 AIR FORCE RESEARCH LABORATORY WARFIGHTER READINESS RESEARCH DIV (AFRL/HEA) TECHNICAL DOCUMENTS	AUTHOR(S)
AFRL-HE-AZ-TR-2007-0001 ADA463181 February 2006	1123AS07	Exploring the relationship between distributed training, integrated learning environments, and immersive training environments	Lee, A.S.
AFRL-HE-AZ-TP-2007-0001 ADA466136 December 2006	1123AS07	Knowledge tracing and prediction of future trainee performance	Jastrzembski, T., Gluck, K., & Gunzelmann, G.
AFRL-HE-AZ-TR-2007-0002 ADB326091 January 2007	3005HA6C	Pedagogical agents for TPED training	Haimson,C., Lovell, S., Ratwani, R., Feeney, J. Freeman, J.
AFRL-HE-AZ-TP-2007-0002 ADA467700 December 2006	1123AE08	The effectiveness of a PC-based C-130 crew resource management aircrew training device	Nullmeyer, R.T., Spiker, J.A., Golas, K.C., Logen, R.C., & Clemons, L.
AFRL-HE-AZ-TR-2007-0003 ADA462795 September 2006		Developing a taxonomy of characteristics and features of learning systems and internet gaming environments	Xu, J.
AFRL-HE-AZ-TR-2007-0004 ADB325845 January 2007	3005HAA1	Distributed mission training requirements and capability analysis (Phase II SBIR AF02-068 Final Report)	Lethert, J., Heintzman, R., Monroe, K., Reid, G.B., Bateman, R.P., Wade, L.T., Shumway, D.A., Brown, J.E., & Gentner, F.C..
AFRL-HE-AZ-TR-2007-0005 ADB329585 January 2007	3005HA6I	Scenario-based Performance Assessment for Dynamic Environments (SPADE)	Sidman,J., Wiese, E., Estock, J., Baughman, K., & Yabut, D.
AFRL-HE-AZ-TR-2007-0006 ADB325729 January 2007	3005HA6K	Gaming and training environment for counter space operations	D. Bowdler, L. Swiontek, E. Wiese, E. Entin, et al.
AFRL-HE-AZ-TR-2007-0007 ADB325771 January 2007	3005HA6L	Evolutionary Algorithm-based Counterspace Operations Training System (EACOTS)	Hoff, J., Gonsalves, P., Casstevens, R., & Young, A.
AFRL-HE-AZ-TR-2007-0008 ADB ADB329581 January 2007	3005HA6	Linguists Ambiguity Tutor and Rehearsal System (LATARS): Phase I	Alam, H.
AFRL-HE-AZ-TP-2007-0008 ADA September 2007	1123AM01	Directory of AFRL/HEA Technical Publications Submitted to DTIC from 1969 to 2007	Bell, H.H., & Casey, E.P.
AFRL-HE-AZ-TR-2007-0009 ADB326133 August 2006	3005HA6	Trustworthy Coordinated Attack and Byzantine Agreement: Tools, Protocols, and Assertions	Drusinsky, D.
AFRL-HE-AZ-TR-2007-0011 ADB326974 December 2006	3005HA31	Development of a tool to measure the quality of mission planning and briefing – Phase II final report	Spiker, A. & Walls, W.
AFRL-HE-AZ-TR-2007-0012 ADB326732 May 2007	3005HA6H	Distributed methods for assessing the readiness of coalition workgroups and teams	Yates, J., Bergeron, S., & Morrison. G.
AFRL-HE-AZ-TR-2007-0013 ADB326442 January 2007	3005HA6G	Distributed methods for assessing the readiness of coalition workgroups and teams	Hess, K., & Wiese, E.
AFRL-HE-AZ-TR-2007-0014 ADB326975 January 2007	3005HA6D	Intervention Methods and Performance for Crew Training (IMPACT) – Phase I final report	Alexander, A., Beaubien, J., Estock, J., & Yale, M.

AFRL-HE-AZ-TR-2007-0015 ADB328060 June 2007	3005HA6F	Tetherless datalinks for use in simulation environments	Mahbobi, K. & Ghajari, H.
AFRL-HE-AZ-TR-2007-0016 ADB328061 June 2007	3005HA6E	Untethered data links for simulation	Pray, R. E.
AFRL-HE-AZ-TR-2007-0017 ADB328100 January 2007	3005HAB9	An intelligent simulation-based training environment for information warfare	Fu, D. & Reeve, A.
AFRL-HE-AZ-TR-2007-0018 ADB328110 October 2006	3005HAB1	Attitude Control System Simulation	Turner, W., Wilson, D., Mueller, J., Paluszek, M., & Thomas, S.
AFRL-HE-AZ-TR-2007-0029 ADB336650 January 2007	3005HA6Z	Network threat monitoring intrusion detection and alert system for distributed mission operations	Som deCerff, P., & Wyatt, T.
AFRL-HE-AZ-TR-2007-0020 ADB328748 April 2007		Global treatment protocol course via advanced distributive learning (Ph 2)	Fullbright, T., Gearhardt, R., Walsh, W., Kastigar, G., & Holdeman, R.
AFRL-HE-AZ-TR-2007-0021 ADB328820 July 2007	3005HA6V	Optimizing leadership performance through context awareness and simulation-based training in network centric operations	Reiss, J.
AFRL-HE-AZ-TR-2007-0022 ADB329592 January 2007	3005HA6M	Robust and Efficient Mobile Ad Hoc Networking (RE-MANET)	Ryu, B., & Sorensen, B.
AFRL-HE-AZ-TR-2007-0023 ADB328758 January 20007	3005HAB8	Cognitive battle damage assessment tools for the joint military community	Goodmom, R.
AFRL-HE-AZ-TR-2007-0025 ADB328101 January 2007	3005HA6J	Vignet-based Knowledge Assessment Tool (VKAST)	Carolan, T.F., Keller, J., & Mui, R.
AFRL-HE-AZ-TR-2007-0026 ADB328791 February 2007	3006HA6W	Optimizing leadership performance through context awareness and simulation-based training in network centric operations (CASTLE)	Walsh, W., Fulbright, T., & Cone, S.
AFRL-HE-AZ-TR-2007-0027 ADB328771 July 2007	3005HA6X	SimuTrain simulation-based training for leader performance optimization	Madni, A. & Madni, C.
AFRL-HE-AZ-TR-2007-0028 ADB328761 February 2007	1123AT02	IMPRINT training data	McDermott, P., Clamman, M., Quesada, S., Hutchins, S., & Archer, R.
AFRL-HE-AZ-TR-2007-0029 ADB329480 May 2007	3005HAB3	Virtual Interactive Pattern Environment and Radiocomms Simulator (VIPERS)	Bell, B.
AFRL-HE-AZ-TR-2007-0030 ADB329593 January 2007	3006HA6A	Exploiting Meta-Information to Train Sensor operators (EMITS)	Pfautz, J., Harding, P., Llinas, J., Roth, E., & Bisantz, A.
AFRL-HE-AZ-TR-2007-0031 ADB329594 April 2007	3005HAC6	Algorithms for run-time terrain deformation	Latham, E., & Cheng, P.
AFRL-HE-AZ-TR-2007-0032 ADB329937 March 2007	3005HA6U	Networked Electronic Warfare Training Systems (NEWTS)	McCall, S.D.
AFRL-HE-AZ-TR-2007-0033 ADB329475 March 2007	3005HA6P	Networked Electronic Warfare Training Systems (NEWTS)	Hall, S., & Ingham, E.
AFRL-HE-AZ-TR-2007-0034	1400AS01	Understanding mission essential competencies as	Alliger, G., Beard, R.,

ADA474546 August 2007		a work analysis method	Bennett, W., Colegrove, C., & Garrity, M.
AFRLl-HE-AZ-TR-2007-0035 ADB331112 April 2007	3005HA6N	Control oriented adaptive transport	Srinivasan, R.
AFRL-HE-AZ-TR-2007-0036 ADB332565 September 2007	3005HA50	Advanced SpaceCraft Operations and Training Tools (ASCOTT): A new approach to training the SSO	Mann, T., Probst, K., & Sorensen, B.
AFRL-HE-AZ-TR-2007-0037 ADB332498 May 2007	3005HAD0	Command and control decision trainer	Brauer, D.C.
AFRL-HE-AZ-TR-2007-0038 ADB333558 June 2007	3005HAB7	Time sensitive targeting training and rehearsal environment	Schwartz, M., & Lunsford, J.
AFRL-HE-AZ-TR-2007-0039 ADB335143 January 2007	7184X20A	Radio Frequency Threat Environment (RFTE) mltilanguage trainer technologies analysis	Silber, R.F., & Burlant, J.G.
AFRL-HE-AZ-TR-20007-0040 ADB October 2007	3005HAC8	DecisionEdge™: Achieving decision dominance information operations	Madni, A.M., Madni, C.A., & Sorensen, H.B.
AFRL-HE-AZ-TR-2007-0041 ADA475567 May 2007	1123AM02	Acquisition and retention of team coordination in command and control	Cooke, N.J., Gorman, J., Pedersen, H., Winner, J., Duran, J., Taylor, A., Amazeen, P.G., Andrews, D.H., & R.L.
AFRL-RH-AZ-TR-2007-0042 ADB335085 August 2007	3005HA7L	Cultural Awareness Trainer for Operational Planners (CATOP)	Kraus, L., Warlick, P., Dietrich, D., Aldrich, G., McQueary, B., & Santos, E.
AFRL-RH-AZ-TR-2007-0043 ADB335121 August 2007	3005HA7N	Scenario-based training for socio-cultural effects-based planning	Ong, J.
AFRL-RH-AZ-TR-20007-0044 ADB335647 August 2007	3005HA7M	Enhancing operator appreciation of socio-cultural information through intelligent agent-based training	Nunes, A., Gendron, G., McCarley, J., Murphy, T., Fichtl, T., & Zacharias, G.
AFRL-RH-AZ-TR-2007-0045 ADB335646 December 2007	4924AE02	Ultra high resolution projector	Tanner, A., Williams, F., Bjernfalk, J., Winkler, B., Elkins, D., Christensen, R., Simmons, C., Farmer, C., Owen, D., Bass, M., & Chernysheva, T.
AFRL-RH-AZ-TR-2007-0046 ADB335626 August 2007	3005HA7I	You don't know Fort Jack: Casual games for realistic social and cultural skills training	Brinkman, D., Mitchell, B., & Smith, F., Goodman, F., Fahy, M., Ayoub, M., Weisserman, G., Kupperman, J., & Edwards, T.
AFRL-RH-AZ-TR-20007-0047 ADB336658 August 2007	3005HA7J	Training Optimization for Generic Game-based Learning Environments (TOGGLE)	Glenn, F., Santorelli, T., Barba, C., Rosenzweig, L., Barnieu, J., Souders, V., & Seip, J.
AFRL-RH-AZ-TR-2007-0048	3005HA7H	Enabled interactive culture and language training	Valente, A.

ADB336127 September 2007		– SBIR Phase I final report	
AFRL-RH-AZ-TR-2007-0050 ADA477518 September 2007	1123AS12	Developing a Taxonomy of Characteristics and Features of Collaborative Tools for Teams in Distributed Environments	Xu, J.
AFRL-HE-AZ-TR-2007-0051 ADB336133 January 2008	3005HAD2	M-PORTAL: Multi-Player Operational Readiness Trainer for Advanced Leadership	Duchon, A., Garrity, M., Gildea, K., Hess, K., Kramer, D., Mizrahi, G., Patterson, M., Salter, W.J., & Badugu, S.

DOCUMENT NUMBER	WORK UNIT NUMBER	2006 AIR FORCE RESEARCH LABORATORY WARFIGHTER READINESS RESEARCH DIV (AFRL/HEA) TECHNICAL DOCUMENTS	AUTHOR(S)
AFRL-HE-AZ-TR-2006-0001 ADA466844 December 2006	1123AE07	Visual simulation S&T: Summary of accomplishments	Pierce, B.J. & Geri, G.A.
AFRL-HE-AZ-TM-2006-0001 ADA462549 December 2006	1123AE07	A comparison of the temporal characteristics of LCD, LCos, laser, and CRT projectors	Geri, G.A., & Morgan, W.D.
AFRL-HE-AZ-TM-2006-0002 ADA462491 December 2006	1123AE07	Brightness and spatial resolution of a prototype green-laser projector measured for various display screens and image sizes	Geri, G.A., & Winterbottom, M.
AFRL-HE-AZ-TR-2006-0002 ADB331590 October 2006	3005HA32	Decision Skills Training Web Module (DST-WM) for scenario-based training of geographical distributed teams via HLA/DIS	Bryan, E. & Archer, M.
AFRL-HE-AZ-TR-2006-0003 ADB327532 December 2006	3005HA33	T-TRANE: Teamwork Training in a Remote and Networked Environment	Entin, E.B., Sidman, J., Mizrahi, G., Stewart, B., & Neal, L.
AFRL-HE-AZ-TM-2006-0003 ADA462516 December 2006	1123AE07	The variability of spatial resolution estimates obtained using a CCD camera	Geri, G.A., Caufield, K. & Winterbottom, M.
AFRL-HE-AZ-TR-2006-0004 ADA468717 May 2007	4676AS01	Evaluating the impacts of mission training vs distributed simulation on live exercise performance: Results from US/UK Red Skies study	Smith, E., McIntyre, H., Gehr, S.E., Schurig, M., Symons, S., Schreiber, B., & Bennett, W., Jr.
AFRL-HE-AZ-TM-2006-0004 ADA462496 December 2006	1123AE07	Graphical user interfaces for digital image frequency analysis	Tai, C.F., Gaska, J.P., & Geri, G.A.
AFRL-HE-AZ-TR-2006-0005 ADB324372 August 2006	3005HA5M	A real context simulation approach to cyber defense training	Caglayan, A., Hewlett, R., Taylor, H., & Lyle, M.
AFRL-HE-AZ-TM-2006-0005 ADB324411 October 2006	1123B123	A review of targeting pod systems, and a summary of requirements for a targeting pod simulation	Morgan, W.D., & Geri, G.A.
AFRL-HE-AZ-TR-2006-0006 ADB324496 July 2006	4924AE01	20/20 Immersive Display Technology	Kochert, T.J., Best, L.G., Kershner, J.M., Surber, B.L., Wight, D.R., Gustafson, S.J., & Olson, R.K.
AFRL-HE-AZ-TP-2006-0007 ADB333559 December 2006	4924AE05	Defining tomorrow's modeling and simulation training environment	Boyle, G.H.
AFRL-HE-AZ-TR-2006-0007 ADB325029 December 2006	7184X10A	Operational intelligence data gathering of warfighter training research: Enhanced and embedded monitoring of verbal interactions	Foltz, P.W.
AFRL-HE-AZ-TR-2006-0008 ADB326017 February 2006	3005HA5I	CYDEST: Cyber Defense Simulation Trainer	Adelstein, A., Brueckner S., & Weeks, J.
AFRL-HE-AZ-TR-2006-0009 ADB319771 July 2006	3005HA22	A Satellite Operations Review Tool (SORT): Enhanced operations and training using software intelligent agents	Friskie, J.E ., Valiton, J.C., & Sorensen, H.B.
AFRL-HE-AZ-TR-2006-0010 ADB322524 October 2006	3005HA21	Simulated panoramic night vision goggle helmet-mounted display development	Wodowslosky, F., & Bickley, W.

AFRL-HE-AZ-TR-2006-0011 ADB318636 May 2006	3005HA27	Cognition-Centered Constructivistic Program of Instruction (C3PI)	Fowlkes, J., Eitalman, S., Enis, J., Castillo, A.R.
AFRL-HE-AZ-TR-2006-0012 ADA469432 December 2006	4924AS02	Evaluating competency-based performance: A probabilistic approach	Carolan, T.F., Schurig, I., & Bennett, W., Jr.
AFRL-HE-AZ-TR-2006-0013 ADA469219 December 2006	4924AS02	Transforming training: A perspective on the need and payoffs from common standards	Schreiber, B.T.
AFRL-HE-AZ-TR-2006-0014 ADA469472 December 2006	5012AS02	Competency-based training: Adapting to warfighter needs	Colegrove, C.M., & Bennett, W., Jr.
AFRL-HE-AZ-TR-2006-0015 Vol I - ADA461866 March 2006	1123AS03	Distributed Mission Operations within-simulator training effectiveness baseline study: Summary report	Schreiber, B.T., & Bennett, W. Jr
AFRL-HE-AZ-TR-2006-0015 Vol II - ADA461867 March 2006	1123AS03	Distributed Mission Operations within-simulator training effectiveness baseline study: Metric development and objectively quantifying the degree of learning	Schreiber, B.T., Stock, W.A., & Bennett W., Jr.
AFRL-HE-AZ-TR-2006-0015 Vol III - ADA462346 July 2006	1123AS03	Distributed Mission Operations within-simulator training effectiveness baseline study: Real-time and blind expert subjective assessments of learning	Schreiber, B.T., Gehr, S.E., & Bennett, W., Jr.
AFRL-HE-AZ-TR-2006-0015 Vol IV - ADA462355 March 2006	1123AS03	Distributed Mission Operations within-simulator training effectiveness baseline study: Participant utility and effectiveness opinions and ratings	Schreiber, B.T., Rowe, L., & Bennett, W., Jr.
AFRL-HE-AZ-TR-2006-0015 Vol V - ADA462356 March 2006	1123AS03	Distributed Mission Operations within-simulator training effectiveness baseline study: Using the Pathfinder methodology to assess pilot knowledge structure changes	Schreiber, B.T., DiSalvo, P., Stock, W.A., & Bennett, W., Jr.
AFRL-HE-AZ-TR-2006-0016 ADA326985 December 2006	4924B301	Multi-Mode External Source for Aircraft (M2ESA) external lighting system development	Martin, J.
AFRL-HE-AZ-TR-2006-0017 ADB328734 January 2007	3005HA4D	Algorithms for run-time terrain deformation	Upton, G., & Harrison, L.
AFRL-HE-AZ-TR-2006-0018 ADB318640 April 2006	3005HA4Q	Algorithms for run-time terrain deformation	Latham, R.
AFRL-HE-AZ-TR-2006-0019 ADB320575 August 2006	3005HA5H	Using realistic network traffic to create a high-fidelity training environment	Gorton, S.
AFRL-HE-AZ-TR-2006-0020 ADB325997 December 2006	3005HA5G	A simulation-based intelligent tutoring system for enhancing decision effectiveness in computer network defensive operations	Goan, T.
AFRL-HE-AZ-TR-2006-0021 ADB329905 June 2006	3005HA5K	Force cuing technology integration and feedback metrics to improve DMO simulator effectiveness	Cardullo, F., George, G., & Latham, R.
AFRL-HE-AZ-TR-2006-0022 ADA471908 December 2006	4924AS02	Challenges in developing a performance measurement system for the global virtual environment	Portrey, A.M., Keck, L.B, & Schreiber, B.T.
AFRL-HE-AZ-TR-2006-0024 ADB326064 January 2007	7184X12A	Joint Close Air Support trainer and warfighter communications assessment system	Wilson, S., Wight, D., Knapp, T., & Olson, R.
AFRL-HE-AZ-TR-2006-0025 ADA462914 June 2006	4924AS01	AOC embedded performance measurement and assessment	Stock, W., Schreiber, B.T., Denning, T., & Cain, D.
AFRL-HE-AZ-TR-2006-0026	3005HA5L	Performance Effects Related to Force Cueing	Estock, J.L., Gildea,

ADB318641 April 2006		Manipulation (PERFORM)	K.M., Alexander, A.L., & Nash, M.
AFRL-HE-AZ-TR-2006-0027 ADB329655 February 2007	3005HA15	Performance and Competencies Evaluation Support (PACES) tool	Carolan, T., Dougherty, L., Keller, J., & Weber, E.
AFRL-HE-AZ-TR-2006-0028 ADB323223 August 2006	3005HA5J	Biometric Fidelity Assessment Standardization Tool (BioFAST)	Patterson, F. & Bryan, E.
AFRL-HE-AZ-TR-2006-0030 ADB320472 June 2006	3005HA5C	Dynamic Network Analysis and Monitoring (DYNAMO) agency	Collier, J., Bartek, D., & Grigsby, S.
AFRL-HE-AZ-TR-2006-0031 ADB318663 May 2006	3005HA42	SNAPPy3.0-1: Real-time simulation network and human measurement device for Distributed Mission Training	Trainor, L.
AFRL-HE-AZ-TR-2006-0032 ADB321066 May 2006	3005HA30	Imagery manipulation for simulator databases	Pendrys, J.
AFRL-HE-AZ-TR-2006-0033 ADB322256 October 2006	3005HA4N	Integrated repair level analysis agent technology	Dady, J., Mulligan, J., & Grifhorst, R.J.
AFRL-HE-AZ-TR-2006-0035 ADB320068 August 2006	3005HA37	Exploiting latent semantics in adaptive information warfare training systems	Goan, T. & Horton, J.
AFRL-HE-AZ-TR-2006-0036 ADB321376 June 2006	7184X11A	Cryptologic linguist training: Future language- training technology concepts	Kaplan, H., & Linford, M.
AFRL-HE-AZ-TR-2006-0037 ADB324498 December 2006	3005HAB2	Satellite Technicians' Advanced Training System (STATS)	Neville, K., Barba, C., Riddle, D., Hafick, A., Schremer, S., Popp, E., Seip, J., & Shoulberg, V.
AFRL-HE-AZ-TR-2006-0038 ADB328259 June 2006	3005HAB6	Robust Exercise and Training Operational Environment (RETROE)	Collier, J.S., Friske, J.E., & Valiton, J.C.
AFRL-HE-AZ-TR-2006-0039 ADB326033 July 2006	4924AE03	High level architecture ATD critical experiment	Hayes, E.
AFRL-HE-AZ-TR-2006-0041 ADA453737 July 2006	1123AS03	Linking knowledge skills to Mission Essential Competency-based syllabus development for Distributed Mission Operations	Symons, S., France, M., Bell, J., & Bennett, W. Jr.
AFRL-HE-AZ-TR-2006-0044 ADA453642 August 2006	2313AS01	A synthetic teammate for UAV applications: A perspective look	Gluck, KA., Ball, J.T., Gunzelmann,G., Krusmark, M., & Lyon, D.
AFRL-HE-AZ-TR-2006-0045 ADA452655 August 2006	1123AS06	Neurobehaviorally inspired ACT-R model of sleep deprivation	Gunzelmann, G.,. Gluck, K., Van Dongen, H., O'Conner, R., & Dinges, D.
AFRL-HE-AZ-TR-2006-0046 ADA454767 August 2006	1123AS01	Automated communications analysis system using LSA	Folz, P.W.
AFRL-HE-AZ-TR-2006-0047 ADB322650 October 2006	1123AE05	Command Reporting Center simulation trade study	George, G., & Bickley, W.
AFRL-HE-AZ-TR-2006-0048 ADB324496 September 2006	4924AE01	20/20 immersive visual display for Distributed Mission Operations Advanced Technology Demonstration	Kochert, T.J., Best, L.G., Kershner, J.M., Surber, B.L., Wight,

			D.R., Gustafson, S.J., & Peppler, P.W.
AFRL-HE-AZ-TR-2006-0050 ADA458393 November 2006	4924AT01	Physics-based stimulation for NVG simulation	Clark, J.
AFRL-HE-AZ-TR-2006-0051 ADB333596 December 2006	3005HA45	ADAPT-MD: A dynamic adaptive training system for simulation-based medical training	Ramachandran, S.
AFRL-HE-AZ-TR-2006-0052 ADA453737 December 2006	3005HA5D	Network health monitoring and diagnosis for Distributed Mission Operations training	P. Perkinson, & S. Berglie

DOCUMENT NUMBER	WORK UNIT NUMBER	2005 AIR FORCE RESEARCH LABORATORY WARFIGHTER READINESS RESEARCH DIV (AFRL/HEA) TECHNICAL DOCUMENTS	AUTHOR(S)
AFRL-HE-AZ-TP-2005-0001 ADA472611 January 2005	1123A220	Assessing the impact of ability-based pairing strategies in team training of a complex skill	Day, E., Winifred, A., Bell, S., Edwards, B., & Bennett, W., Jr.
AFRL-HE-AZ-TR-2005-0007 ADB310362 February 2005	3005HA26	Training environment for satellite command composition	Rowe, S., Tang, K., & Cohen, C.
AFRL-HE-AZ-TR-2005-0019 ADB309143 April 2005	3005HA3X	Development of an automated USAF information warfare training vehicle	Walter, R., Bieger, D., Magruder, M., & Garra, N.
AFRL-HE-AZ-TR-2005-0020 ADB311307 February 2005	3005HA4T	Developing a dynamic and effective Command and Control Decision Trainer (C2D2)	Tribble, D. & Sorensen, H..
AFRL-HE-AZ-TR-2005-0033 ADB322256 October 2006	3005HA4N	Integrated repair level analysis agent technology	J. Dady, J. Mulligan, & R.J. Grifhorst
AFRL-HE-AZ-TR-2005-0038 ADB310415 March 2005	3005HA4W	Planning and debrief capabilities for long-haul, distributed, interactive training simulation	Nanda, S., Archer, M., Bryan, E., & Weeks, J.
AFRL-HE-AZ-TR-2005-0039 ADB310449 March 2005	3005HA4E	Multi-player operational readiness trainer for advanced leadership	Gildea, K. M., Garrity, M.J., Allopenna, P.D., & Weeks, J.L.
AFRL-HE-AZ-TR-2005-0040 ADB318438 March 2005	3005HA4R	Enhancing commander's cognitive readiness at the operational level of war	Lunsford, J.
AFRL-HE-AZ-TR-2005-0053 ADB310469 April 2005	3005HA4L	Distributed planning, debriefing, and after-action review capabilities	McDonald, B.
AFRL-HE-AZ-TR-2005-0096 ADB329632 March 2005	3005HHA4S	Combat airspace visualization and planning system	Pelz, C.A., Bachelder, E.N., & Brickman, N.S.
AFRL-HE-AZ-TR-2005-0121 ADB312620 July 2005	3005HA4G	DecisionEdge™: Achieving decision dominance in information operations	Madni, A.M., Madni, C.C.,, & Sorenson, H B.
AFRL-HE-AZ-TR-2005-0122 ADB318638 July 2005	3005HA25	SatConPlan: A satellite pre-pass contact planning aid for operations support and training	Mohammed, J., & Ong, J.
AFRL-HE-AZ-TR-2005-0123 ADB318683 June 2005	3005HA25	SatConPlan Task Guide – Users' Guide Version l.0	Mohammed, J.
AFRL-HE-AZ-TR-2005-0124 ADB318635 July 2005	3005HA4K	SuperCision: Battlespace superiority through better decision making	Painter, M., Akella, K., Benjamin, P., Mayer, R., & Sorensen, H.B.
AFRL-HE-AZ-TR-2005-0126 ADB331009 July 2005	4924AT01	NPSI material library scheme: R&D sensor interoperability	Pribadi, P., Pribadi, K., & Martin, E.L.
AFRL-HE-AZ-TR-2005-0131 ADB314677 August 2005	3005HA23	Laser illuminated sub-image scanned high resolution light engine	Kurtz, R., & Aye, T.
AFRL-HE-AZ-TR-2005-0140 ADB321806 July 2005	3005HA35	Records Evaluation, Analysis, Data Interpretation (READI): A training and evaluation support system	K. Neville, D. Riddle, A. Hafich, & H.B. Sorensen

AFRL-HE-AZ-TR-2005-0141 ADB311334 July 2005	3005HA35	Collaborating Operational Unit Messaging Simulation and Interaction Modeling (COMSIM)	Friskie, J., Valiton, J., & Sorensen, H.B.
AFRL-HE-AZ-TR-2005-0142 ADB318639 September 2005	3005HA4F	Integrated Flight Mission Preparation System (FMPS)	Babbidge, C. & Beaubier, J.
AFRL-HE-AZ-TR-2005-0143 ADB321743 July 2006	3005HA22	Speech recognition technology for AWACS aircrew speech processor	Bartek, D.C., Hudson, J., Valiton, J.C., Grigsby, S., & Sorensen, H.B.
AFRL-HE-AZ-TR-2005-0168 ADB318724 May 2006	3005HA4X	Exemplar-based LSA rational ontological system	Stoyen, A.D., Hicks, J.D., Petrov, P.V., Fleming, G.P., & Resha, T.
AFRL-HE-AZ-TR-2005-0169 ADB318805 May 2006	2830HXC1	Information operations center modernization plan	Robbins, R.
AFRL-HE-AZ-TR-2005-0170 ADB321835 July 2006	3005HA4M	Probabilistic Latent Semantic Analysis of verbal and behavioral data in dynamic mission operations (DECADE)	Allpena, P., Haimson, C., Jackson, C., Sidman, J., & Linford, M.
AFRL-HE-AZ-TR-2005-0171 ADB318802 June 2005	3005HA25	SatConPlan Task Guide ™: T3Task Tutor Toolkit™	Mohammed, J., & Sorensen, H.B.
AFRL-HE-AZ-TR-2005-0186 ADA466568 April 2005	1123B123	Review and analysis of helmet-mounted displays for use in Air Force training and simulation	Winterbottom, M., Patterson, R., & Pierce, B.J.

DOCUMENT NUMBER	WORK UNIT NUMBER	**2004** **AIR FORCE RESEARCH LABORATORY** **WARFIGHTER TRAINING RESEARCH DIVISION** **(AFRL/HEA) TECHNICAL DOCUMENTS**	AUTHOR(S)
AFRL-HE-AZ-TR-2004-0040 ADB313259 May 2004	3005HA3Q	Robust Exercise and Training Operational Environment (RETROE)	Choate, T.J., Friske, J.E., & Sorensen, H.B.
AFRL-HE-AZ-TR-2004-0042 ADB307651 May 2004	3005HA3R	Satellite Technician Advanced Training System (STATS)	Neville, K., Barba, C.A., Popp, E., & Sorensen, H.B.
AFRL-HE-AZ-TR-2004-0050 ADB305876 May 2004	3005HA3T	Virtual Interactive Pattern Environment and Radiocomms Simulator (VIPERS)	Bell, B. & Cain, J.
AFRL-HE-AZ-TR-2004-0051 ADB304195 October 2004	3005HA3Z	Personal computer (PC)-based aircraft training system and visualization tool	Jaszlics. I.J., & Terry, A.M.
AFRL-HE-AZ-TR-2004-0069 ADB306053 June 2004	3005HA3W	An intelligent simulation-based training environment for information warfare	Ramachandran, S.
AFRL-HE-AZ-TR-2004-0073 ADB305995 April 2004	3005HA3V	Through screen optical head tracker	Odell. D., & Allen, R.
AFRL-HE-AZ-TR-2004-0076 ADB303393 August 2004	3005HA3U	Body worn graphics image generator for simulation-based training	Latham, R.
AFRL-HE-AZ-TR-2004-0077 ADB307791 May 2004	3005HA3S	COM Attitude Control System Simulator/Trainer	Strunce, R.R., Jr
AFRL-HE-AZ-TR-2004-0078 ADA427971 June 2004	1123AE01	Evaluating the spatial resolution of flight-simulator visual displays	Geri, G.A., Winterbottom, M.D., & Pierce, B.J.
AFRL-HE-AZ-TR-2004-0082 ADB326048 May 2004	1123B123	Performance benchmarks for flight-simulator image generation: A preliminary investigation	Geri, G.A., & Akhtar, S.C.
AFRL-HE-AZ-TR-2004-0084 ADB331045 June 2004	3005HA3N	Attitude control system	Paluszek, M., Turner, W., Sorensen, H.B., & Hornsby, J.D.
AFRL-HE-AZ-TR-2004-0087 ADB305645 June 2004	3005HA	Cognitive support to nuclear, biological and chemical threat data correlation and threat and munitions effects analysis	Scott, K., Skipper, D.J. & Sorensen, H.B.
AFRL-HE-AZ-TR-2004-0090 ADA428119 June 2004	1123AS03	The effectiveness of a traditional gradesheet for measuring air combat team performance in simulated Distributed Mission Operations	Krusmark, M., Schreiber, B.T., Bennett, W., Jr.
AFRL-HE-AZ-TR-2004-0093 ADB331067 October 2004	3005HA3M	Time sensitive targeting training and rehearsal environment	Lunsford, J.
AFRL-HE-AZ-TR-2004-0102 ADB307683 July 2004	3005HA24	Adaptive Decision Enabling and Proficiency Toolset (ADEPT)	Hafich, A., Jorrett, R., & Sorensen, H.B.
AFRL-HE-AZ-2004-0130 ADB307802 September 2004	3005HA03	A streamlined scenario-based methodology for evaluating distributed team performance	Entin, E., Garrity, M., & Morley, R.
AFRL-HE-AZ-2004-0141 ADB326046 September 2005	4924AE04	Distributed Training Network Guard Advanced Technology Demonstration	Martinez, R.
AFRL-HE-AZ-TR-2004-0150	3005HA3L	STRIKE-TCT: Simulation-based Training and	Hess, K., MacMillan,

ADB305838 October 2004		Rehearsal Integrated Knowledge-Acquisition Environment for Time Critical Targeting	J., Luongo, F., & Guckenberger, D.
AFRL-HE-AZ-TR-2004-0154 ADB305667 October 2004	3005HA28	The analyst's analyst: An assessment and training system for intelligence organizations	Haimson, C., Freeman J., Wilson, C., Hertel, M., Latham, D., & Sparks, R.
AFRL-HE-AZ-TR-2004-0160 ADB305996 November 2004	3005HA3Y	Intelligent scenario generation tools for training and rehearsal	Carolan, T.F.
AFRL-HE-AZ-TR-2004-0161 ADB306345 November 2004	1123AS02	Context-based Intelligent Tactical Knowledge Acquisition (CITKA) system	Bercerra-Fernandez, I., & Gonzalez, A.
AFRL-HE-AZ-TR-2004-0199 ADB306198 March 2004	4924AT01	Night vision goggle training in specialized undergraduate pilot training and introduction to fighter fundamentals: A feasibility study	Night Vision Training Team & Martin, E.L.

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AFRL-HE-AZ-TP-2003-0001 ADA412596 February 2003	2313HA04	Training for dynamic aerospace control: An experiment in International Distributed Mission Training	Greschke, D.A., & Bell, H.H.
AFRL-HE-AZ-TP-2003-0002 ADA423487 September 2003	4924B002	Preliminary evaluation of the control interface for a training simulation system	Weeks, J.L., & McDonald, L.B.
AFRL-HE-AZ-TR-2003-0004 ADA428199 April 2004	4924B002 4924AM01	Initial evaluation of USAF Security Forces Distributed Mission Training (SecForDMT)	Weeks, J.L.
AFRL-HE-AZ-TP-2003-0006 ADA419962 November 2003	1123B115	Joint human systems integration E-learning	Tryloff, D., & Carper, S.
AFRL-HE-AZ-TR-2003-0007 ADA465197 May 2003	1123B401	Next-generation flight simulators: Image-update-rate considerations	Lindholm, J.M., Scharine, A.A., & Pierce, B.J.
AFRL-HE-AZ-TR-2003-0010 ADB288463 May 2003	3005HA2E	Professional leadership development skills training for the 21st century	Fischer, S.C., & Garcia, S.K.
AFRL-HE-AZ-TR-2003-0011 ADB290277 May 2003	3005HA2F	Training and development of key leader skills that contribute to effective leadership in complex military environments	Zacarro, S.J.
AFRL-HE-AZ-TR-2003-0016 ADA416507 July 2003	3005HA2H	Facilitating the acquisition of mission planning and dynamic replanning expertise	Neville, K., Fowlkes, J., & Strini, T.
AFRL-HE-AZ-TR-2003-0021 ADB286746 June 2003	300HA2N	Integrated satellite operations training and rehearsal for multiple satellite system ground control	Dietz, L.A.
AFRL-HE-AZ-TR-2003-0022 ADB290561 April 2003	3005HA91	An LSA-based software tool for matching jobs, people, and instruction	Laham. D., Bennett, W. Jr., & Landauer, T.K.
AFRL-HE-AZ-TR-2003-0023 ADB286229 May 2003	3005HA2P	Exploiting latent semantics for embedded intelligence monitoring and trainer development	Goan. T.
AFRL-HE-AZ-TR-2003-0027 ADB294685 March 2003	3005HA2R	Distributed Mission Training requirements and capability analysis-Phase I	Lethert. J.F., Heintzman, R.J., Shumway, D.A., & Gentner, F.C.
AFRL-HE-AZ-TR-2003-0034 ADB290095 May 2003	3005HA2K	The Analyst's Analyst: A system to assess and train Air Force intelligence analysts in Mission Essential Competencies	Freeman, J., Laham, D., Baker, K., Paluska, J.. & Morley, R.
AFRL-HE-AZ-TR-2003-0035 ADB291066 May 2003	3005HA2M	Tasking, Processing, Exploitation, and Dissemination (TPED)-Knowledge Acquisition and Assessment System (KAAS)	Aldridge, S.L.
AFRL-HE-AZ-TR-2003-0036 ADB292801 September 2003	3005-HA-02	Collaborative online training for operations other than war	Miller, T.E., Phillips, J.K., Battaglia, D.A., Wiggins, S.L., Baxter, H., Mills, J.A., & Ross, K.G.
AFRL-HE-AZ-TR-2003-0039 ADB288900 May 2003	3005HA93	Automated team performance assessment over the Internet	Leddo, J., Bennett, W., Jr. & Sorensen, H.B.
AFRL-HE-AZ-TR-2003-0040	3005HA2T	Image manipulation for simulator databases	Upton, G., & Harrison,

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AFRL-HE-AZ-TR-2003-0041 ADA417507 August 2003	1123A316	The fundamental skills training project	Streuck, K.W. & Meyer, T.N.
AFRL-HE-AZ-TR-2003-0042 ADB287838 August 2003	3005HA2U	Process Train: Cognitive model-driven distributed interactive training for the Command and Control Aerospace Operations Center	Madni, A.M., Madni, C.C., & Lin, W.
AFRL-HE-AZ-TR-2003-0043 ADB291067 July 2003	3005HA2S	An intelligent tutoring system for the Aerospace Operations Center	Stottler, R. & Jensen, J.
AFRL-HE-AZ-TR-2003-0044 ADB293049 August 2003	3005HA2Q	Training environment support system	Neville, K., & Sorensen, H.B.
AFRL-HE-AZ-TR-2003-0045 ADB293784 July 2003	3005HA2W	TACTICS: Tutoring and assessment capability for training information operations/ information warfare critical skills	Freeman, J., Bailin, S., Thompson, B., Baker, K., & Paluske, J.
AFRL-HE-AZ-TR-2003-0046 ADB287838 July 2003	3005HA2V	Time Critical Targeting Cell (TCTC) for team training and evaluation: Phase I final report	A. Bailey. A., Paley, M., Ganberg, G., Hertel, M., Lai, F., Miller, D., Titus, P., & Yakel, J.P.
AFRL-HE-AZ-TR-2003-0068 ADB294561 May 2003	3005HA2J	Combat Mission Planning Cognitive Skill Training (CoMPCoST) web module	Guckenberger, D., Bryan, E. & Nolan, M.
AFRL-HE-AZ-TR-2003-0071 ADB292923 August 2003	3005HA2Y	Collaborative operational unit messaging simulation and interaction modeling	J. Friskie. J., McCoy, A., & Choate, T.
AFRL-HE-AZ-TR-2003-0075 ADA416200 May 2003	1123B118	Agent-based planning team training platform	Mountjoy, D.N. & Ram, B.
AFRL-HE-AZ-TR-2003-0076 ADB294561 November 2003	3005HA14	Team performance engineering	Lintern, G., Salas, E., Paley, M., Anastasi, D., & Serfaty, D.
AFRL-HE-AZ-TR-2003-0079 ADB291114 July 2003	3005HA84	Development of a high-fidelity head-mounted display for pilot training applications	Bayer, M. & Westgor, D.
AFRL-HE-AZ-TR-2003-0083 ADA420840 November 2003	1123A314	Training Research in Automated Instruction (TRAIN)	Regian, J.W., Goettl, B.M., Ashworth, A., deBoom, D., Anthony, M., Derek, K., & Snooks, S.
AFRL-HE-AZ-TR-2003-0110 ADA425779 February 2004	4924AM01	The Double R Theory of language comprehension	Ball, J.
AFRL-HE-AZ-TR-2003-0111 ADB297293 November 2003	3005HA3E	Global treatment protocol course via advanced distributive learning	Gulbright, T.W., Gearhardt, R.S.,Miller, R.E., & Sorensen, H.B.
AFRL-HE-AZ-TR-2003-0112 ADB295951 November 2003	3005HA3K	ADAPT-MD: A Dynamic Adaptive Training System for Simulation-based Medical Training	Ramachandran, S.
AFRL-HE-AZ-TR-2003-0113 ADB295859 July 2003	3005HA3J	Generative knowledge-based approaches for rapid development of simulation-based medical training	Stueck, K., Holley, S., Halff, H., Munroe, A., & Meyer, T.
AFRL-HE-AZ-TR-2003-0114 ADB297665 August 2003	3005HA3C	SNAPpy 3.0 Phase I final report	James, G., Day, C., & Thompson, S.
AFRL-HE-AZ-TR-2003-0118	3005HA02	Collimating display screen for simulator displays	Yu, K., & Savant, G.

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AFRL-HE-AZ-TR-2003-0121 ADB300247 December 2003	3005HA3D	Global Treatment Protocol Course via Advanced Distributive Learning (Phase I final report)	Kohuth, C., Riess, J.S., & Sorensen, H.B.
AFRL-HE-AZ-TR-2003-0122 ADB301355 December 2003	3005HA3G	Global Treatment Protocol Course via Advanced Distributive Learning	Thompson, G.A.
AFRL-HE-AZ-TR-2003-0123 ADB297333 December 2003	3005HA3B	An embedded simulator test evaluation monitor with human performance measurement capabilities for Distributed Mission Training	Ewart, R.
AFRL-HE-AZ-TR-2003-0124 ADB296344 October 2003	3005HA12	High resolution visual system development	Bryan, E. & Guckenberger, D.
AFRL-HE-AZ-TR-2003-0153 ADB297332 January 2004	3005HA13	Advanced distributed learning for force protection training	Schroeder, J., Tibaudo, C., Kristl, J., & Sorensen, H.B.
AFRL-HE-AZ-TR-2003-0163 ADB304607 December 2003	3005HA11	Automated material classification toolset (Phase II)	Hendricks, L.W.
AFRL-HE-AZ-TR-2003-0164 ADB332024 June 2004	1123AM01	Joint semi-automated forces fidelity accreditation-support evaluation Phase II report: TACAIR-SOAR evaluation	Smoot, D.
AFRL-HE-AZ-TR-2003-0165 ADB312986 December 2003	3005HA3H	Global treatment protocols via Advanced Distributed Learning	Li, B., Zhou, J., & Schroeder, J.

DOCUMENT NUMBER	WORK UNIT NUMBER	2002 AIR FORCE RESEARCH LABORATORY WARFIGHTER TRAINING RESEARCH DIVISION (AFRL/HEA) TECHNICAL DOCUMENTS	AUTHOR(S)
AFRL-HE-AZ-TP-2002-0001 ADA435744 September 2002	4924B206	USAF security forces training needs	Weeks, J.L., Garza, J.S., Archuleta, M.A., & McDonald, L.B.
AFRL-HE-AZ-SR-2002-0001 ADB281343 May 2002	3005HA7F	AWACS Weapons Director Trainer: Installation and operation manual	Petrov, P.V. & Stoyen, A.D.
AFRL-HE-AZ-TP-2002-0002 ADA412238 December 2002	1123B001	Knowledge acquisition in Distributed Mission Training	Schvaneveldt, R., Tucker, R., Castillo, A. R., & Bennett, W. Jr.
AFRL-HE-AZ-TP-2002-0003 AD A408667 October 2002	4924B206	USAF security forces Distributed Mission Training: Evolution of the design concept	Weeks, J.L., McDonald, L.B., & Hughes, J.
AFRL-HE-AZ-TR-2002-0004 ADA417195 December 2002	1123A219	Skill decay: A comparative assessment of training protocols and individual differences in the loss and reacquisition of complex skills	Arthur, W., Jr., Bennett, W., Jr., Day, E.A., & McNelly, T.L.
AFRL-HE-AZ-TP-2002-0004 ADA408672 October 2002	4924B206	Development of computer-generated forces for Air Force security forces Distributed Mission Training	Weeks, J.L., McDonald, L.B., & Hughes,, J.
AFRL-HE-AZ-SR-2002-0005 ADA415458 March 2003	1123B001	Image generator requirements for driving the 5120 x 4096 pixel ultra high resolution laser projector	Surber, B.L. & Peppler, P.W.
AFRL-HE-AZ-TP-2002-0006 ADA417281 September 2002	1123A215	Large-scale laboratory test of occupational survey software and scaling procedures	Albert, W.G., Phalen, W.J., Selander, D.M., Dittmar, M.J., Tucker, D.L., Hand, D.K., Weismuller, J.J., & Rouse, I.F.
AFRL-HE-AZ-TP-2002-0007 ADA462998 January 2002	1123B113	Collaborative command and control research: Networking multiple simulation platforms	Barnes, C.M., Elliott, L.R., Tessier, P., & Petrov, P.
AFRL-HE-AZ-TP-2002-0010 ADA437227 October 2003	1123B113	Development of a distributed training and research network	Barnes, C., Elliott, L.R., & Stoyen, A.
AFRL-HE-AZ-TP-2002-0011 AD A408680 October 2002	1123B001	Assessment of the Virtual Environment Safe-for-Maintenance Trainer (VEST)	Wenzel, B.M., Castillo, A.R., & Baker, G.
AFRL-HE-AZ-TP-2002-0012 AD A408651 October 2002	4924B002	Distributed Training Network Guard Trusted Bridge Federate initial capabilities demonstration: After action report	Martinez, R.G., Polliard, S., & Flo, R.
AFRL-HE-AZ-TP-2002-0014 ADA414497 November 2002	4924A206	Toward a unified theory of work: Organizational simulations and policy analyses	Vaughn, D.S. & Bennett, W., Jr.
AFRL-HE-AZ-TP-2002-0016 ADA437423 March 2002	3005HJ8E	Matching jobs, people, and instructional content: An innovative application of a latent semantic analysis-based technology	Laham, D., Bennett, W., Jr., & Landauer, T.K.
AFRL-HE-AZ-TR-2002-0026 ADA401588 February 2002	2313HA05	Impact of prior flight experience on learning Predator UAV operator skills	Schrieber, B.T., Lyon, D.R., Martin, E.L., & Confer, H.A.
AFRL-HE-AZ-TR-2002-0060 ADB284902 September 2002	3005HA1F	Satellite pre-pass organization tool: Intelligent agents for the space-based infrared system ground console	Friskie, J., Choate, T., Loomis, E., & Sorensen, H.B.
AFRL-HE-AZ-TR-2002-0061	3005HA1H	Satellite Operations Review Tool: Enhanced	Friskie, J., Choate, T.,

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AFRL-HE-AZ-TR-2002-0062 ADB287956 November 2002	3005HA1E	SatConPlan: A satellite pre-pass contact planning aid for operations and support and training	Mohammed. J.L., Domeshek, E.A., Holman, E., & Sorensen, H.B.
AFRL-HE-AZ-TR-2002-0063 ADB311397 October 2002	3005HA1D	A decision aid for a surveillance crew shift supervisor	McCarthy, J. & Sorensen, H.B.
AFRL-HE-AZ-TR-2002-0064 ADB282560 August 2002	3005HA1B	Satellite Operator Decision Aid and Training System (SODATS) – Phase I Final Report	Aldridge, S.
AFRL-HE-AZ-TR-2002-0065 ADB November 2002	3005HA1G	SATCONREPORT: A satellite post-pass debriefing aid for operations support and training	Mohammed, J. & Sorensen, H.B.
AFRL-HE-AZ-TR-2002-0066 ADA408463 September 2002	3005HA1M	An Embedded Simulator Test Evaluation Monitor (ESTEEM) to improve distributed mission training	Ewart, R.B. & Slutz, G.J.
AFRL-HE-AZ-TR-2002-0067 ADB282930 August 2002	3005HA1A	Training environment for satellite command composition	Hay, R. & Cohen, C.J.
AFRL-HE-AZ-TR-2002-0069 ADA408580 August 2002	4924B301	Integration of a legacy system with Night Vision Training System (NVTS)	Anderson, G.M., Vrana, C.A., Reigler, J.T., & Martin, E.L.
AFRL-HE-AZ-TR-2002-0070 ADB283613 September 2002	3005HA04	Distributive mission planning and rehearsal initiative	Choate, T., Allen, M., LaDue, N., & Sorensen, H.B.
AFRL-HE-AZ-TR-2002-0071 ADB287368 January 2003	3005HA99	Human-centered re-engineering of AWACS command and control teams	Paley, M.J. & Levchuk, Y.N.
AFRL-HE-AZ-TR-2002-0072 ADB281343 May 2002	3004HA86	AWACS weapons director trainer tool	Petrov, P.V. & Stoyen, A.D.
AFRL-HE-AZ-TR-2002-0073 ADB287879 December 2002	3005HA0H	Psychological Warfare Assessment Rehearsal System (PSYWARS)	Deaton, J.E. & Barucky, J.M.
AFRL-HE-AZ-TR-2002-0074 ADB287863 December 2002	3005HA1K	Laser-illuminated sub-image scanning high-resolution light engine	Aye, T.M.
AFRL-HE-AZ-TR-2002-0075 ADB284639 August 2002	3005HA1C	Adaptive Decision Enabling and Performance Tracking (ADEPT)	Neville, K., Glucroft, B., Sorensen, H.B., & Barba, C.
AFRL-HE-AZ-TR-2002-0106 ADB285371 December 2002	3005HA04	High-Level Integrated Team Training Environment (HI-LITE) for space: Final report	Friskie, J., McCoy, A., & Choate, T.
AFRL-HE-AZ-TR-2002-0126 ADB281716 June 2002	3005HT61	Predicting skill and knowledge retention: Development of the LTM/2000 software	Lammlein, W.E. & Cochran, C.C.
AFRL-HE-AZ-TR-2002-0129 ADB December 2002	3005HA1N	Simulated panoramic night vision goggle helmet-mounted display for simulated NVG imagery	Ciccone, R.
AFRL-HE-AZ-TR-2002-0144 ADB287218 December 2002	3005HA1J	High-resolution visual system development: Using offset electron beams to torque liquid crystal molecules	Molitor, R.J.
AFRL-HE-AZ-TR-2002-0148 ADB251132 December 2002	3005HA9F	Streamlined scenario-based methodology for evaluating distributed team performance	MacMillan, J., Littleton, E.B., Price, J., Miescher, S.C., Entin, E.E., Gentner, F.C., Tiller, T.C., &

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AFRL-HE-AZ-TR-2002-0151 ADB293845 January 2003	3005HA1L	Snappy 2002-DMT performance modeling and analysis system	Nagarajan, V., James, G., & Thompson, S.
AFRL-HE-AZ-TR-2002-0172 ADB282915 September 2002	4924A301	Simulation presentation for action-based rehearsal of knowledge	Munroe, A.
AFRL-HE-AZ-TR-2002-0190 ADB287224 December 2002	3005HA1O	Simulated panoramic night vision goggle helmet-mounted display development	Wodoslawsky, F.
AFRL-HE-AZ-TR-2002-0192 ADA418478 May 2003	1123B001	Mission complexity scoring in distributed mission training	Denning, T., Bennet, W., Jr., & Crane, P.
AFRL-HE-AZ-TR-2002-0194 ADB290304 June 2003	3005HA2D	ALTO: An adaptive leadership training system	Ramachandran, S., Earl, C.C., Battaglia, D.A., Phillips, J., & Garcia, S.K.
AFRL-HE-AZ-TR-2002-0196 ADB289878 May 2003	3005HA2G	Warfighter's Analysis and Readiness System for Mission Unit-Level Planning and Debriefing (WARM-UP)	Spiker, V.A., Walls, W.F., & Karp, M.R.
AFRL-HE-AZ-TR-2002-0198 ADA472517 November 2002	4924A206	Identifying future training technology opportunities using career field models and simulations	Bennett, W. Jr., Stone, B., Turner, K., & Ruck, H.W.
AFRL-HE-AZ-TR-2002-0199 ADA363964 November 2002	4924A206	Taxonomic considerations in organizational development, assessment, and process change	Bennett, W., Jr., & Yadrick, R.M.
AFRL-HE-AZ-TR-2002-0200 ADB285167 May 2003	3005HA2A	Decision skills training web module for scenario-based training of geographically distributed teams	Guckenberger, D., Bryan, E., & Nolan, M.
AFRL-HE-AZ-TR-2002-0201 ADB287446 October 2002	3005HA2L	Assessment methods for tactical knowledge and cognitive readiness of intelligence Tasking, Processing, Exploitation, and Dissemination (TPED) teams	Carolan, T.F. & Keller, J.
AFRL-HE-AZ-TR-2002-0204 ADB293192 September 2003	3005HA2G	An integrated model-based approach to competency assessment	Carolan, T.F. & Dahn, D.
AFRL-HE-AZ-TR-2002-0205 ADB290310 May 2003	3005HA2C	Teamwork Training and Remote Assessment in a Networked Environment (T-TRANE)	Entin, E.E., Lai, F., Mackenzie, C., Xiao, Y., & Neal, L.
AFRL-HE-AZ-TR-2002-0207 ADA408540 October 2002	1123B117	Assessment of human interaction with virtual environment training	Ntuen, C.A. & Yoon, S.
AFRL-HE-AZ-TR-2002-0208 ADB293169 January 2003	4924B203	Target discrimination with night vision goggles in the presence of goggle glare due to intensifier tube fluorescence	Howard, C.M., Riegler, J.T., Horning, M.E., & Martin, J.J.
AFRL-HE-AZ-TR-2002-0219 ADA472616 December 2002	1123A128	Promoting learner reflection: Issues and difficulties emerging from a three-year study	Gustafson, K.V., & Bennett, W., Jr.
AFRL-HE-AZ-TR-2002-0237 ADB288192 March 2003	3005HA91	Latent semantic analysis for career field analysis and information operations	Laham, D., Bennett, W., Jr., & Derr, M.
AFRL-HE-AZ-TR-2002-0245 ADA337189 June 2003	3005HJ83	A case-based reasoning approach to internet intelligent tutoring system authoring	Fu, D. & Stottler, R.H.
AFRL-HE-AZ-TR-2002-0246 ADB288898 January 2003	3005HA2B	Developing a scenario-based training pedagogy for distributed teams	Harris, D., Malek, D.A., Ross, K.G., & Thorsden, M.L.

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AFRL-HE-AZ-TP-2001-0003 AD392189 June 2001	2313HM11	Real-time decision making	Hurwitz, J.B.
AFRL-HE-AZ-TP-2001-0004 ADA399062 July 2001	1123A119	Advanced personnel testing project: Final report	Sawin, L., Earles, J., Goff G.N., & Chaiken, S.R.
AFRL-HE-AZ-TR-2001-0005 ADB282004 May 2002	3005HA0B	Automated material classification toolset – Phase I	Harsanyi, J.C.
AFRL-HE-AZ-TP-2001-0005 ADA408639 August 2002	4924B206	Security forces distributed mission training technology development	McDonald, L.B., Weeks, J.L., & Harris, T.M.
AFRL-HE-AZ-TP-2001-0006 ADA406635 September 2002	1123A117 1123A004	Weapons director intelligent-agent-assist task: Procedure and findings for a validation study.	Chaiken, S.R., Elliott, L.R., Dalrymple, M.E., Coovert, M.D., Gordon, T.R., Hoffman, K.a., Miles, D.E., King, T.V., & Schiflett, S.G.
AFRL-HE-AZ-SR-2001-0011 ADB278925 January 2002	1123B401	A procedure for evaluating image generators used in flight simulation	Harris, N.M., Pierce, B.J., Geri, G.A., & Miller, M.J.
AFRL-HE-AZ-TR-2001-0092 ADB279725 May 2001	2743A301	Warfighter operation center – training: Front-end analysis	Goodman, M., Garrambone, M., Hall, D., & Rolek, E.
AFRL-HE-AZ-TR-2001-0106 ADB282338 May 2001	STTRHA9A	Knowledge engineering tools for an HLA environment	Leddo, J. & Zhang, Z.
AFRL-HE-AZ-TR-2001-0108 ADB284002 July 2002	3005HA92	Instructor's associate: Handheld computer-based technology for evaluating aircrew performance	Swezey, R.W., Dyson, L.L., Hutcheson, T.D., & Nullmeyer, R.T.
AFRL-HE-AZ-TR-2001-0109 ADB282929 August 2002	3005HA0C	Reconfigurable frame buffer module for high-resolution visual systems	Guckenberger, D.
AFRL-HE-AZ-TR-2001-0110 ADB280532 May 2002	3005HA0D	Compact HMD optic system based on multiplexed aberration compensated holographic optical displays	Aye, T.M.
AFRL-HE-AZ-TP-2001-0111 ADA417369 October 2002	1123A225	Development of criterion measures to assess retention and decay of aerospace physiology knowledge and skills	Paullin, C., McKee, A.F., Hanson, M.A., & Hedge, J.W.
AFRL-HE-AZ-TR-2001-0112 ADB333575 September 2001	3005HA0E	Advanced distributed learning for force protection training technology	Schroeder, J., Kristl, J., Tibaudo, C., MaCuish, D.A., & Sorensen, H.B.
AFRL-HE-AZ-TR-2001-0113 ADB280630 June 2002	3005HA82	A system to enhance team decision-making performance	Entin, E.B., Entin, E.E., Bailey, A., Paley, M., & Miller, D.
AFRL-HE-AZ-TR-2001-0115 ADB279412 March 2002	3005HA85	EAGLE: Electronically Assisted Ground-based Learning Environment	Ryder, J.M., Scolaro, J.A., & Stokes, J.M.
AFRL-HE-AZ-TR-2001-0142 ADB278664 March 2002	3005HA0F	A conceptual design of a simulation-based Control and Reporting Center training environment	Neville, K.
AFRL-HE-AZ-TR-2001-0143	3005HA81	Full-color helmet-mounted display – Phase II	Bergstedt, R.

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AFRL-HE-AZ-TR-2001-0160 ADB333568 February 2002	3005HA0I	Distributed human performance management with emphasis on team performance	MacMillan, J., Paley, M., Salas, E., & Serfaty, D.
AFRL-HE-AZ-TR-2001-0174 ADB283381 August 2002	3005HA0A	Automated material classification toolset – Phase I	Hendricks, L.W.
AFRL-HE-AZ-TR-2001-0184 ADB284419 September 2002	3005HM61	Computerized Adaptive Rating Scales (CARS): Development and evaluation of the concept	Borman, W.C., Hanson, M.A., Kubisiak, U.C., & Buck, D.

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AFRL-HE-AZ-TP-2000-0004 AD A379329. April 2000	1123B105	USAF pilot selection	Weeks, J.L.
AFRL-HE-AZ-TR-2000-0005 ADA394443 April 2001	1123A110	Skills, knowledge, and abilities underlying success in USAF pilot training	Driskill, W.E., Koonce, J.M., Nance, P., & Weissmuller, J.J.
AFRL-HE-AZ-TR-2000-0007 ADA474418 August 2001	2313HT20	Computer-based intelligent tutoring systems: A cognitive approach to team training and performance research	Regian, W., & Elliott, L.
AFRL-HE-AZ-TP-2000-0009 ADA393140 June 2001	11211305	The relationship between work experience and job performance: A conceptual and meta-analytic review	Quinones, M.A., Ford, J.K., & Teachout, M.S.
AFRL-HE-AZ-TP-2000-0010 ADA398473 May 2001	2743A303	Using the Thorndike model to assess the fairness of cognitive ability tests for personnel selection	Chung-Yan, G.A. & Cronshaw, S.F.
AFRL-HE-AZ-TR-2000-0026 ADA391423 April 2000	2743B205	RoadRunner '98: Training effectiveness in a distributed mission training exercise	Crane, P.M., Schiflett, S.G., & Oser, R.L.
AFRL-HE-AZ-TR-2000-0038 ADB274985 April 2001	3005HA9B	Collimating display screen for simulator displays	Yu, K. & Aye, T.
AFRL-HE-AZ-TR-2000-0069 ADB267761 July 2000	3005HA83	Automated player control station	Humphrey, D. & Andrews, W.
AFRL-HE-AZ-TR-2000-0083 ADB260690 July 2000	3005HA9G	Modeling and simulation of small-scale contingencies: Phase I	McDonald, B.
AFRL-HE-AZ-TR-2000-0084 ADB267945 July 2000	3005HA9E	Tools for assessing human warfighter performance readiness and distributed joint aircrew training effectiveness	Carolan, T.F.
AFRL-HE-AZ-TR-2000-0085 ADA391751 July 2000	2313HA06	Command and control team performance in distributed mission training exercises	Schiflett, S.G., Elliott, L.R., Dalrymple, M., Tessier, P.A., & Cardenas, R.
AFRL-HE-AZ-TR-2000-0098 ADB267827 December 2000	3005HA9A	Innovative space training application technology: Team training for space using distributed mission training	Friskie, J., Choate, T., & Loomis. E.
AFRL-HE-AZ-TR-2000-0111 ADA394919 June 2001	2743B203	Using distributed mission training to augment flight lead upgrade training	Crane, P., Robbins, R., & Bennett, W., Jr.
AFRL-HE-AZ-TR-2000-0112 ADA391561 May 2000	1123B114	Evaluation of above real-time training and self-instructional strategies for airmanship tasks on a flight simulator	Ali, S.F., Guckenberger, D., Rossi, M., & Williams, M.
AFRL-HE-AZ-TR-2000-0124 ADB269246 May 2001	3005HJ8D	An internet-based individual and team performance measurement system	Leddo, J., Zhang, Z., & Beary, S.
AFRL-HE-AZ-TR-2000-0125 ADB278114 July 2001	3005HA9I	SNOWCAT: Scenario-based knowledge capture for cognitive analysis-based training	Krause, L.

AFRL-HE-AZ-TR-2000-0126 ADA400515 June 2001	1123A219	Factors that influence the effectiveness of training in organizations: A review and meta-analysis	Bennett, W.R., Jr. & Arthur, W., Jr.
AFRL-HE-AZ-TR-2000-0127 ADB277684 July 2001	3005HJ82	Expanding the criterion space: Cross airframe convergence and lessons learned from evaluation of the mission-ready technician program	Bennett, W.R., Jr., Alliger, G.M., Eddy, E.R., & Tannenbaum, S.I.
AFRL-HE-AZ-TR-2000-0128 ADA463501 July 2001	1123A219	Development and test of a theory of work team productivity	Sawyer, J.E., Pritchard, R.D., Bennett, W.R., Jr., & Latham, W.R.
AFRL-HE-AZ-TR-2000-0129 ADA398683 February 2001	1123A220	Evaluating aircrew and maintainer warfighter performance in aeronautical systems using mission oriented measures of effectiveness	Best, P.S., Gentner, F.C., Tiller, T.C., Schopper, A.W., Morris, J.D., & Bennett, W., Jr.
AFRL-HE-AZ-TR-2000-0130 ADB267860 May 2001	3005HT72	A multi-agent tool for internet-based tutoring authoring	Goldstein, D.G. & Goldstein, J.A.
AFRL-HE-AZ-TR-2000-0131 ADB267826 May 2001	3005HJ8A	Intelligent multi-user simulation environment – Phase I	Fu, D., Davis, A., & Houlette, R.
AFRL-HE-AZ-TR-2000-0132 ADB263364 July 2001	3005HA9C	An intelligent training management system	Stottler, R., & Jackson, T.E.
AFRL-HE-AZ-TR-2000-0133 ADB271027 May 2001	3005HT7C	Authoring tools development for advanced internet multimedia training delivery	Stottler, R.
AFRL-HE-AZ-TR-2000-0134 ADB278309 July 2001	3005HJ8B	An automated cognitive science advisor for instructional systems engineers	Haynes, J.
AFRL-HE-AZ-TR-2000-0135 ADB278400 July 2001	3005HJ	JAVA tools for developing and delivering distributed training over the internet	Sullivan, D.S.
AFRL-HE-AZ-TR-2000-0136 ADB277967 August 2001	3005HM52	Crew resource management training needs assessment for Air Force tanker crews	Hedge, J.W. & Bruskiewicz, K.T.
AFRL-HE-AZ-TR-2000-0137 ADB278224 August 2001	3005HM52	Crew resource management team and individual job analysis and rating scale development for Air Force tanker crews	Hedge, J.W., Bruskiewicz, K.T., Logan, K.L., Hanson, M.A., & Buck, D.
AFRL-HE-AZ-TR-2000-0138 ADA372633 July 2001	3005HM51	Situation awareness flight training and evaluation system: Final development, initial test, and documentation	O'Donnell, R.D., Moise, S., Smith, R., Cardenas, R., Eddy, D., & O'Donnell, R.L.
AFRL-HE-AZ-TR-2000-0158 ADA400796 June 2001	1123A210	Evaluation of cross-cultural models for psychological operations: Test of a decision modeling approach	Barucky, J., Karabaich, B., & Stone, B.
AFRL-HE-AZ-TR-2000-0159 ADA398609 July 2001	2313HM10	Synthetic task design: Cognitive task analysis of AWACS weapons director teams	Fahey, R.P., Rowe, A.L., Dunlap, K.L., & deBoom, D.O.
AFRL-HE-AZ-TR-2000-0160 ADB268311 December 2000	3005HA8A	Handheld instructor's associate device for assessing aircrew performance: Preliminary development	Swezey, R.W., Horst, R.L., & Nullmeyer, R.T.
AFRL-HE-AZ-TR-2000-0161 ADB269123 June 2001	3005HJ81	Internet/intranet software tools for synchronous support of training and learning	Usluel, D.
AFRL-HE-AZ-TR-2000-0162 ADB278479 July 2001	3005HJ84	Intelligent agents for education and training applications	Madni, A.Z., Naiem, B., Lin, W., Rickel, J., Ganeshan, R., &

			Johnson, W.L.
AFRL-HE-AZ-TR-2000-0163 ADA398477 July 2001	1123A3__	Intelligent training development methodologies	Stiles, R.J.
AFRL-HE-AZ-TR-2000-0164 ADB269182 July 2001	3005HT71	3D virtual environment for team training	Morlen, R., Kline, K., & Morlen, D.
AFRL-HE-AZ-TR-2000-0165 ADB269248 April 2001	3005HT6A	Market-ready authoring tools for intelligent tutoring systems	Morlen, D., Morlen, R., & Kline, K.
AFRL-HE-AZ-TR-2000-0166 ADB267874 November 2000	3005HT41	An authoring system with gaming for intelligent technical training	Morlen, R., Morlen, D., & Kline, K.
AFRL-HE-AZ-TR-2000-0173 ADB278235 August 2001	3005HA94	JAVA tools for developing and delivering training over the internet: Architecture and infrastructure/framework for web-based training	Sullivan, D.S.

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AFRL-HE-AZ-SR-1999-0007 ADA379327 November 1999	1123B001	Magnification of imagery to compensate for the decrease in perceived size associated with a 28-inch viewing distance	Pierce, B.J., & Geri, G.A.
AFRL-HE-AZ-TP-1999-0008 ADA368440 July 1999	2743B002 27432539	Helmet-mounted conjugate optical display system: Design considerations	Geri, G.A., Arrington, K.F., & Miller, M.J.
AFRL-HE-AZ-SR-1999-0008 ADA379453 November 1999	1123B001	Spatial resolution of two high line-rate, monochrome display systems	Geri, G.A., & Grutzmacher, R.P.
AFRL-HE-AZ-SR-1999-0009 ADA379786 December 1999	1123B001	Suitability of available rear-projection screens for displaying high line-rate laser projector images	Geri, G.A. & Peppler, P.W.
AFRL-HE-AZ-TR-1999-0199 ADB255730 August 1999	2743B301 1123B001	WARDOVE reflective laser eye protection: Effects on night vision goggle-aided visual acuity	Reigler, J.T. & Fiedler, G.M.
AFRL-HE-AZ-TR-1999-0202 ADB279728 April 2001	2743B205	Air Force modular control equipment: Integration of air synthetic forces	Brooks, R.B. & George, G.R.
AFRL-HE-AZ-TR-1999-0204 ADB260410 July 2000	3005HA71	Personal computer-based image generator for simulating flight	Spaulding, B.
AFRL-HE-AZ-TR-1999-0205 ADB256201 December 1999	3005HA8D	A high-resolution volumetric 3-D display system for pilot training	Geng, J.
AFRL-HE-AZ-TR-1999-0206 ADB260331 August 1999	3005HA61	Microlaser-based projector for flight simulator displays: Phase II	Bergstedt, R., Flint, G., & Hargis, D.
AFRL-HE-AZ-TR-1999-0208 ADB267759 August 1999	3005HA8E	Instructor's associate for rating teamwork skills	Taggart, W.R.
AFRL-HE-AZ-TR-1999-0249 ADA379370 December 1999	2743B001	Head and eye movements in free visual search: Effects of restricted field of view and night vision goggle imagery	Geri, G.A., Wetzel, P.A., & Martin, E.L.
AFRL-HE-AZ-TR-1999-0250 ADB270376 May 2001	3005HA8C	Instructor's associate for rating aircrew teamwork	Swezey, R.W., Dyson, L.L., Hutcheson, T.D., & Nullmeyer, R.T.
AFRL-HE-AZ-TR-1999-0252 ADB255706 December 1999	3005HA8B	Technology and expertise: A dual approach to aiding aircrew instructors	Militello, L.G., Wiggins, S.L., Stanard, T., McCloskey, M.J., & Klein, G.
AFRL-HE-AZ-TR-1999-0253 ADA391781 August 2000	1123B102	Survey of cockpit/crew resource management for F-16 pilots	Karp, M.R., Condit, D., & Nullmeyer, R.T.
AFRL-HE-AZ-TP-1999-0254 ADA391715 July 2000	1123B104	Visual interface unit: A modern approach to integrating image generators in a DIS and HLA environment	Call, L.R.
AFRL-HE-AZ-TR-1999-0255 ADB256485 December 1999	3005HA7E	Full-color helmet-mounted display with wireless video communication	Tanimoto, D.H.

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AFRL-HE-AZ-TR-1998-0004 ADA360041 December 1998	1123B106	United States Air Force Battlestaff Training School and BLUE FLAG Exercises: Capabilities and challenges	Andrews, D.H., Worsham, T.E., & Bell, H.H.
AFRL-HE-AZ-TR-1998-0041 ADA351899 May 1998	1123B106	Enabling Technology: Analysis of categories with potential to support the use of modeling and simulation in the United States Air Force	Andrews, D.H., Brown, J., Byrnes, J., Chang, J., Hartman, R., Irwin, J., Lightner, M., McQuay, W., Murashige, A., Sisti, A., & Wintermute, D.
AFRL-HE-AZ-TR-1998-0049 ADB247678 April 1999	3005HA51	Microlaser-based helmet-mounted display with narrow band polarizing filter for pancake windows	Bergstedt, R., Flint, G., & Hargis, D.
AFRL-HE-AZ-TR-1998-0058 ADA359409 August 1998	1123B104 1123B001	Display collimation and the perceived size of flight simulator imagery	Pierce, B.J., Geri, G.A., & Hitt, J.M. III
AFRL-HE-AZ-TR-1998-0073 ADA354028 September 1998	1123B103	Retest performance on an experimental computer-based pilot aptitude test battery	Carretta, T.R.
AFRL-HE-AZ-TR-1998-0076 ADA367696 May 1999	1123B101	Factor structure of the cogscreen-aeronautical edition test battery	Carretta, T.R., Ree, M.J., & Callister, J.D.
AFRL-HE-AZ-TR-1998-0077 ADA357029 August 1998	1123B105	Entry to USAF undergraduate flying training	Weeks, J.L. & Zelenski, W.E.
AFRL-HE-AZ-TR-1998-0078 ADA362818 September 1998	1123B101	Transfer of training effectiveness in flight simulation: 1986 to 1997	Carretta, T.R., & Dunlap, R.D.
AFRL-HE-AZ-TR-1998-0079 ADA367682 October 1998	1123B101	Determinants of enlisted air traffic controller success	Siem, F.M. & Carretta, T.R.
AFRL-HE-AZ-TR-1998-0084 Vol I - ADB241843 September 1998	2743B002	Canadian Forces distributed mission training feasibility study (CF-18 Multitask Trainer)	Mudd, D.H., Pierce, B.J., Gasson, B., Greschke, D., Svendson, J., DiTore, V., Knapp, T., Surber, B., & Sell, R.
AFRL-HE-AZ-TR-1998-0084 Vol II - ADB248839 September 1998	2743B002	Canadian Forces distributed mission training feasibility study (Cost analysis)	Mudd, D.H., Pierce, B.J., Gasson, B., Greschke, D., Svendson, J., DiTore, V., Knapp, T., Surber, B., & Sell, R.
AFRL-HE-AZ-TR-1998-0086 ADA459961 April 1999	2313T147	A cognitive correlates analysis of situation awareness	Tirre, W.C. & Gugerty, L.J.
AFRL-HE-AZ-TR-1998-0094 ADB247311 July 1999	3005HA7A	Automated player control station	Andrews, W.K., & Humphrey, D.D.
AFRL-HE-AZ-TR-1998-0096 ADB255729 October 1999	2743B301 1123B001	FV-9 laser eye protection: Effects on night vision goggle-aided visual acuity under various illumination and contrast conditions	Fiedler, G.M., Riegler, J.T., & Demitry, P.F.
AFRL-HE-AZ-TR-1998-0097	2743B002	M2DART: A real-image simulator visual display	Wight, D.R., Best,

ADA361265 November 1998	27433208	system	L.G., & Peppler, P.W.
AFRL-HE-AZ-TR-1998-0100 ADC062512 October 1998	2743B203	Simulated threat performance observations for RoadRunner 98 (U)	Cicero, G.D.
AFRL-HE-AZ-TR-1998-0111 ADA379421 November 1999	1123A323	An integrated product and process development program and related training requirements: Formative evaluation and definition for Air Force laboratory science and engineering personnel	Barucky, J., Grimes, G., Tartell, D., & Yadrick, R.M.
AFRL-HE-AZ-TP-1998-0111 ADA368304 November 1998	1123B001 2743B204	Portable eye-tracking system used during F-16 simulator training missions at Luke AFB: Adjustment and calibration procedures	Wetzel, P.A., & Anderson, G.
AFRL-HE-AZ-TR-1998-0112 ADA367862 May 1999	1123A322	Studying aptitude-treatment interactions: Development of a new research paradigm	Statman, M.A.L., Gribben, M.A., Naughton, J.A., & McCloy, R.A.
AFRL-HE-AZ-TR-1998-0126 ADB242740 December 1998	3005HA7B	High-definition head-mounted display for pilot training	Lippert, T.M.
AFRL-HE-AZ-TR-1998-0131 ADB255734 January 1999	3005HA7G	A system to enhance team decision-making performance	MacMillan, J., Serfaty, D., Young, P., Klinger, D., Thordsen, M., Cohen, M., Freeman, J., & Elliott, L.

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AL/HR-TP-1997-0001 ADA326636 June 1997	1123B206 1123B301	A combat mission team performance model: Development and initial application	Silverman, D.R., Spiker, V.A., Tourville, S.J., & Nullmeyer, R.T.
AL/HR-TP-1997-0002 ADA328897 June 1997	3005HA61	Microlaser-based projection display for simulation (18th I/ITSEC Proceedings)	Fink, C.G., Bergstedt, R., Flint, G., Hargis, D., & Peppler, P.W.
AL/HR-TP-1997-0003 ADA327932 July 1997	1123B206 1123B301	An assessment methodology for team coordination in combat mission training	Tourville, S.J., Spiker, V.A., Silverman, D.R., & Nullmeyer, R.T.
AL/HR-TP-1997-0004 ADA339603 September 1997	1123A101	Cognitive and psychomotor abilities: A further investigation of their relationship	Carretta, T.R. & Ree, M.J.
AL/HR-TP-1997-0005 ADA353058 June 1998	1123B101	Factor structure of the Air Force Officer Qualifying Test: Analysis and comparison	Carretta, T.R. & Ree, M.J.
AL/HR-TP-1997-0006 ADA353567 August 1998	1123B101	Near identity of cognitive structure in sex and ethnic groups	Carretta, T.R. & Ree, M.J.
AL/HR-TR-1997-0009 ADB234379 September 1997	3005HM3B	Augmentation of the Basic Attributes Test battery with tests of temporal acuity	Kennedy, R.S., Ritter, A.D., Dunlap, W.P., Lane, N.E., Berbaum, K.S., & May, J.G.
AL/HR-TP-1997-0010 ADA460184 October 1997	1123B101	Use of response latencies to enhance self-report personality measures	Siem, F.W.
AL/HR-TR-1997-0012 ADB233781 October 1997	3005HM41	Basic research evaluating the reliability of the situational test of aircrew response styles and its ability, personality, and leadership correlates	Borman, W.C., Logan, K.K., Hedge, J.W., Hanson, M.A., Bruskiewicz, K.T., Schneider, R.J., & Houston, J.S.
AL/HR-TP-1997-0012 ADA459823 September 1997	1123A101	Personality factors affecting pilot combat performance: A preliminary investigation	Siem, F.M. & Murray, M.W.
AL/HR-TR-1997-0013 ADB322981 September 1997	3005HM41	Predicting the crew resource management skills of Air Force pilots	Hedge, J.W., Hanson, M.A., Borman, W.C., Bruskiewicz, K.T., & Logan, K.K.
AL/HR-TR-1997-0015 ADA460183 August 1997	3005HM41	Annotated bibliography of research relevant to the development and validation of the situational test of aircrew response styles inventory	Bruskiewicz, K.T., Logan, K.K., Hedge, & Hanson, M.A.
AL/HR-TR-1997-0016 ADA354026 July 1998	1123B101	Interchangeability of verbal and quantitative scores for personnel selection: An example	Ree, M.J., & Carretta, T.R.
AL/HR-TR-1997-0030 ADA339605 September 1997	1123B215	Integrated medical environments and the virtual reality patient	Babbitt, B.A., Stubbs, J., Sorensen, H.B., Bell, H.H., & Crane, P.
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AL-TR-1991-0039 ADA245449 December 1991	11232513	Microcomputer-based instrument flight simulation: Undergraduate pilot training student attitude assessment	Rogers, B.K.
AL-TP-1991-0041 V1 ADB159518 November 1991	11230402	Electronic Warfare Tactics Trainer (EWTT): Initial design and modifications	Esplin, T., Leavitt, B., Gerson, C., & Thurman, R.A.
AL-TP-1991-0041 V2 ADB159519 November 1991	11230402	Electronic Warfare Tactics Trainer (EWTT): Users' guide	Esplin, T., Leavitt, B., Gerson, C., & Thurman, R.A.
AL-TR-1991-0042 ADB158404 September 1991	11233506	Aircrew performance measurement in the air combat maneuvering domain: A critical review of the literature	Brecke, F.H. & Miller, D.C.
AL-TR-1991-0043 ADA242034 July 1991	27432517	Effect of two types of scene detail on detection of altitude change in a flight simulator	Kleiss, J.A. & Hubbard, D.C.
AL-TP-1991-0047 ADA241675 September 1991	11232511 27432517	Training evaluation of the F-15 advanced air combat simulation	Houck, M.R., Thomas, G.S., & Bell, H.H.
AL-TP-1991-0056 ADB160070 December 1991	11230402	Air intercept trainer debrief system	Anselme, C.J.
AL-TP-1991-0058 ADA246459 January 1992	11233511	Air combat maneuvering expert system trainer	Bechtel, R.J.
AL-TR-1991-0059 ADA241996 September 1991	11233513	Observing system for critique, advice and review (OSCAR)	Obermayer, R.W.,
AL-TR-1991-0103	27432517	Simulation in infrared imaging: Using electrical circuit	Evans, R.J.

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AL-TR-1991-0106 ADB162743 February 1991	11230501	Annotated bibliography of the Aircrew Training Research Division technical publications - 1990	Casey, E.P. (Ed.)
AL-TR-1991-0134 AD247830 February 1992	11233201 27432517	Area-of-interest display resolution and stimulus characteristics effects on visual detection thresholds	Warner, H.D., Hubbard, D.C., & Serfoss, G.
AL-TR-1991-0140 ADA249242 March 1992	11233201 11230385	Temporal and spatial factors affecting the perception of computer-generated imagery	Lindholm, J.M.

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AFHRL-TR-90-20 ADA223564 June 1990	11230383 11233203	Terrain visual cue analysis for simulating low-level flight: A multidimensional scaling approach	Kleiss, J.A.
AFHRL-TR-90-25 ADA224903 July 1990	11230383 2313T312	Efficient image generation using localized frequency components matched to human vision	Geri, G.A., Zeevi, Y.Y., & Porat, M.
AFHRL-TR-90-26 ADA230278 November 1990	11233402 11230385	Computer menu task performance model development	Pierce, B.J., Parkinson, S.R., & Sisson, N.
AFHRL-TR-90-30 ADB145631 June 1990	11232511 11230383	Training evaluation of air combat simulation	Thomas, G.S., Houck, M.R., & Bell, H.H.
AFHRL-TR-90-39 ADB145635 July 1990	11230383 11233301	Infrared scene generation characteristics: A simulated feature analysis	Evans, R.J. & Crane, P.M.
AFHRL-TR-90-43 ADA228042 August 1990	11230383 2313T312	Central and peripheral precuing of forced-choice discrimination	Cheal, M.L. & Lyon, D.R.
AFHRL-TR-90-45 ADA229093 September 1990	11230501	Debugging techniques used by experienced programmers to debug their own code	Merrick, P.M.
AFHRL-TR-90-56 ADA229753 November 1990	11230385	Image quality metrics and application of the Square Root Integral (SQRI) metric: An overview	Evans, R.J.
AFHRL-TR-90-77 ADB150590 October 1990	99830551	Annotated bibliography of the Operations Training Division technical publications - 1987 to 1989	Casey, E.P. (Ed.)

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AFHRL-TR-89-3 ADA212763 August 1989	11230383	Field-of-view variations and stripe-texturing effects on assault landing performance in the C-130 Weapon System Trainer	Kellogg, R.S., Hubbard, D.C., & Seiverding, M.J.
AFHRL-TR-89-4 ADA216750 December 1989	11233301	Simulation of Synthetic Aperture Radar III: Evaluation of prototype Digital Feature Analysis Data	Crane, P.M., & Bell, H.H.
AFHRL-TR-89-9 ADA218504 January 1990	11233203 11230383	Field-of-view assessment of low-level flight and an airdrop in the C-130 Weapon System Trainer (WST)	Dixon, K.J., Martin, E.L., Rojas, V.A., & Hubbard, D.C.
AFHRL-TR-89-16 ADA213659 October 1989	11233301 11920426	Simulation of Synthetic Aperture Radar II: Simulating SAR using the Advanced Visual Technology System	Ferguson, F.L., Ellis, J., French, S.R., Ball, J., Spencer, L., Bell, H.H., & Crane, P.M.
AFHRL-TR-89-18 ADA220075 March 1990	11233204	Eye tracking device for the measurement of flight performance in simulators	Dixon, K.W., Rojas, V.A., Krueger, G.M., & Simcik, L.
AFHRL-TR-89-21 ADA213496 October 1989	11230383 11233506	Performance measurement development for air combat	Thomas, G.S. & Miller, D.C.
AFHRL-TR-89-22 ADA214272 October 1989	11230383	Cockpit resource management: A selected annotated bibliography	Povenmire, H.K.
AFHRL-TP-89-23 ADB145841 July 1990	11233705	THREATVAL: Real-time threat simulation for flight simulator applications	Beach, R.B., Keith, W.R., & Killion, T.H.
AFHRL-TR-89-24 ADA221222 April 1990	11232504 11230383	Effects of pyridostigmine bromide on A-10 pilots during execution of a simulated mission: Physiology	Harriman, A.E., Hubbard, D.C., Brooks, R.B., & Woodruff, R.R.
AFHRL-TP-89-35 ADB141997 March 1990	11230383 11233301	Simulation of infrared imaging for flight training: Theory and applications	Evans, R.J. & Crane, P.M.
AFHRL-TR-89-36 ADB149475 September 1990	27432501	Flight simulator: Advanced wide field-of-view, helmet-mounted, infinity display system	Barrette, R., Dunkley, K., Kruk, R., Kurts, D., Marshall, S., Williams, T., Weissman, P., & Antos, S.
AFHRL-TR-89-42 ADA219993 March 1990	11230383 2313T312	Shape discrimination research using an IBM PC	Voltz, C.D. & Geri, G.A.
AFHRL-TR-89-43 ADA224347 March 1990	11230383 2313T312	Texture discrimination research using an IBM PC	Geri, G.A. & Voltz, C.D.
AFHRL-TR-89-49 ADB145014 May 1990	11920428	Weapon and threat simulation capabilities of the Advanced Visual Technology System	Stephens, C.W. & Lerman, D.J.
AFHRL-TP-89-51 ADA223018 May 1990	11233204	Effects of field-of-view sizes on pop-up weapons delivery	Dixon, K.W., Martin, E.L., & Krueger, G.M.
AFHRL-TR-89-63 AD A215809 December 1989	11230383	Safety evaluation of infrared lamp power output for Honeywell oculometer eye/head tracker system	Evans, R. & Gainer, J.C.
AFHRL-TP-89-64	11233301	Simulation of Synthetic Aperture Radar IV: Summary and	Crane, P.M. & Bell,

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AFHRL-TR-89-75 ADA218648 February 1990	11233204	Visual behavior in the F-15 Simulator for Air-to-Air Combat	Dixon, K.W., Krueger, G.M., Rojas, V.A., & Martin, E.L.

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AFHRL-TR-88-16 ADA199403 August 1988	11230383	Modeling eye movement sequences using conceptual clustering techniques	Belofsky, M. & Lyon, D.R.
AFHRL-TR-88-25 ADB127198 October 1988	61142507	Low cost digital radar generation	Yen, C.
AFHRL-TP-88-29 ADA227968 November 1990	11233204	Weapons delivery training: Effects of scene content and field of view	Dixon, K.W. & Curry, D.G.
AFHRL-TR-88-34 ADA205865 January 1989	2313T312	Attention effects on form discrimination at different eccentricities	Cheal, M. & Lyon, D.R.
AFHRL-TR-88-37 ADB131378 February 1989	23630008	Advanced Visual Technology System	Eibeck, A.C. & Petrie, D.F.
AFHRL-TR-88-42 ADA211019 July 1989	11233301 11230383	Simulation of Synthetic Aperture Radar I: Feature density and accuracy requirements	Crane, P.M., Bell, H.H., Kalinyak, R.G., Dooley, J., & Hubbard, D.C.
AFHRL-TR-88-44 ADA209580 July 1989	11230379	Display characteristics of example light-valve projectors	Howard, C.M.
AFHRL-TR-88-49 ADA208860 June 1989	11230383	Aircrew training evaluation: B-52 and KC-135 formal school training	Bruce, P.D.
AFHRL-TR-88-59 ADB132631 April 1989	11233717	Cognitive approach to electronic warfare training: Interim report	Ryder, J.M., Redding, R.E., Beckschi, P.F., & Lierman, B.
AFHRL-TR-88-66 ADA209756 May 1989	11233203 11230383	Effect of three-dimensional object type and density in simulated low-level flight	Kleiss, J.A., Hubbard, D.C., & Curry, D.G.
AFHRL-TR-88-67 ADA221349 May 1990	99810201	Pilot decision-making training	Connolly, T.J.

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AFHRL-TR-87-5 / NMSRL Rpt No. 1086 ADA182473 June 1987	11230379	Calibration and validation of a solid-state anomaloscope	Geri, G.A. & Neri, D.F.
AFHRL-TR-87-11 ADA187367 September 1987	11230384	Measurements and effects of transport delays in a state-of-the-art F-16C flight simulator	Horowitz, S.J.
AFHRL-TP-87-12 ADA185796 October 1987	11230379	Instructor operator station design handbook for aircrew training devices	Warner, H.D.
AFHRL-TR-87-16 AD A187444 November 1987	2313T331	Perception and control of simulated self motion	Owen, D.H., Freeman, S.J., Zaff, B.F., & Wolpert, L.
AFHRL-TR-87-21 ADA188418 November 1987	11230379	Aircrew training devices: Utility and utilization of advanced instructional features (Phase 4 - Summary report)	Polzella, D.J., Hubbard, D.C., Brown, J.E., & McLean, H.C.
AFHRL-TR-87-22 AD A187013 November 1987	11230379 2313T312	Visual attention effects on discrimination of line orientation and line arrangement	Cheal, M., Lyon, D., & Hubbard, D.C.
AFHRL-TR-87-24 ADB120279 February 1988	11233505	Airborne measurement concepts	Arbak C.J., Green, R.R., & Grattopp, R.A.
AFHRL-TR-87-26 ADA187715 November 1987	11230379 2313T312	Visual contrast sensitivity functions obtained from untrained observers using tracking and staircase procedures	Geri, G.A. & Hubbard, D.C.
AFHRL-TP-87-28 AD A187638 November 1987	2313T312 11230383	How quickly can attention affect form perception?	Lyon, D.R.
AFHRL-TR-87-32 ADA192055 February 1988	1123	Instructor/operator station (IOS) design guide	Charles, J.P.
AFHRL-TR-87-34 AD B123809 June 1988	11233715	Modern training model concepts for aircrew training	Ryder, J.M., Beckschi, R.G., Redding, R.E., & Edwards, B.J.
AFHRL-TP-87-50 ADA192412 April 1988	11233701	Flight simulator: Field of view utilized in performing tactical maneuvers (Replaced AFRL-TP-86-29)	Weikhorst, L.A. & Vaccaro, F.A.
AFHRL-TR-87-51 ADB127088 November 1988	11230379 11233709	Cost/benefit methodology for the evaluation of electronic combat training	Smith, G.R. & Killion, T.H.
AFHRL-TR-87-53 ADA195805 May 1988	2313T312 11230379	Comparative aspects of multiple processes of attention	Cheal, M.
AFHRL-TR-87-55 ADA191041 April 1988	11230379	Task listing: Visually assisted and visually dependent tasks for fighter aircraft	Warner, H.D.
AFHRL-TR-87-63 ADA193103 April 1988	ILIR3013	The WARNET papers	Genet, R.M.
AFHRL-TR-87-64 ADA197888 July 1986	11233713	Computer-based instruction/simulator program for Fighter Lead-In Training: Feasibility research	Amdor, S.L., Isley, F.W., & Pierce, B.J.
AFHRL-TR-87-69	11233301	Terrain accuracy effects on simulated radar image quality	Crane, P.M. & Dixon,

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AFHRL-TR-86-9 ADB104833	11233709	Electronics combat range training effectiveness	Killion, T.H.
AFHRL-TR-86-12 ADB107293 October 1986	11230379	Simulation-based research in part-task training	Knerr, C.M., Morrison, J.E., Mumaw, R.J., Stein, D.J., Sticha, P.J., Hoffman, R.G., Buede, D.M., & Holding, D.H.
AFHRL-TR-86-17 ADB103725	11230379	Comparative inflight performance evaluation of three visual approach landing light systems	Kellogg, R.S. & Hubbard, D.C.
AFHRL-TP-86-18 ADB103828 July 1985	11230379	University of Dayton flying training research products and services: 1977-1985	Warner, H.D. & Coy, R.G.
AFHRL-TP-86-25 ADA178937	11230358	Physiological assessment of pilot workload in the A-7 aircraft	Lindholm, E., Sisson, N., Miller, M.J., & Toldy, M.E.
AFHRL-TP-86-43 ADA175222	11233201 23630001	Integrating a head-up display with dome visual simulation technology	de Groot, S. & Peppler, P.
AFHRL-TR-86-44 ADB115427	11233101	Design specification for the C-130 Model Aircrew Training System: Phase I report	Fishburne, R.P., Jr., Williams, K.R., Chatt, J.A., & Spears, W.D.
AFHRL-TR-86-45 ADC040549 November 1986	11233704	Transfer of electronic combat skills from a flight simulator to the aircraft (Limited Distribution)	L.A. Wiekhorst. L.A. & Killion, T.H.
AFHRL-TP-86-50 ADB108662	11233709	Electronic combat part-task training: Reasons and recommendations	Killion, T.H., Boyle, G.H., & Eaton, B.
AFHRL-TR-86-51 ADB117252	11233101	Design specification development for the C-130 Model Aircrew Training System: Final report	Fishburne, R.P., Jr., Spears, W.D., & Williams, K.R.
AFHRL-TP-86-52 ADA178473	11232501	Aircrew task surveys: Selection criteria for low-cost training technology applications	Edwards, B.J.
AFHRL-TR-86-54 ADA179270	11230379	Asymmetries in the control of saccadic eye movements to bifurcating targets	Zeevi, Y.Y., Wetzel, P.A., & Geri, G.A.
AFHRL-TP-86-60 ADA180586	11232601	Representing and training expertise in air combat maneuvering	Goldsmith, T.E. & Schvaneveldt, R.W.
AFHRL-TP-86-61 ADA182770	11232501	Common computer-based training system: A recommended approach	Killion, T.H., Boyle, G.H., & Edwards, B.J.
AFHRL-TR-86-62 ADA183814	11233502	Performance measurement requirements for tactical aircrew training	Waag, W.L., Pierce, B.J., & Fessler, S.
AFHRL-TP-86-67 ADB111499	61143303	Advanced sensor simulation techniques	Ryan, L. & Pedrotti, M.

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AFHRL-TR-85-3 ADB096236 August 1985	11233701	The Tactical Training Complex (TTC): Prototype facility for integration of advanced simulation and range system concepts for tactical aircrew training	Hughes, R.G., Polis, D., Fay, R.H., hines, J., & Altman, H.
AFHRL-TR-85-4 ADA154758 May 1985	11230358	Visual phenomena produced by binocularly disparate dynamic visual noise	Geri, G.A. & Zeevi, Y.Y.
AFHRL-TR-85-5 ADB098190 December 1985	ILIR3005	Digital Perspective Generator	Beckwith, P.B., Bistarkey, D.S., & Edgar, G.R.
AFHRL-TP-85-9 ADB092476 May 1985	11233701	Head-slaved, limited field of view display: Effects upon low level flight performance	Hughes, R.G. & Hubbard, D.C.
AFHRL-TP-85-11 ADA161794 September 1985	23630001	Flight simulator: Evaluation of Sodern Visualization System SVS-14	Gerlicher, J.P.
AFHRL-TR-85-17 ADB096160 August 1985	11232502	Low altitude training for pilots: Test Course	Miller, M.J. & Toldy, M.E.
AFHRL-TP-85-18 ADA158849 August 1985	2313T312	Pilot oriented performance measurement	DeMaio, J.C., Bell, H.H., & Brunderman, J.
AFHRL-TR-85-22 ADB103452 July 1986	23630001	Advanced Visual Technology System	Ferguson, R.L., Cody, L.S., & Petrie, D.F.
AFHRL-TR-85-23 ADA161836 November 1985	2313T331	Optical and event-duration variables affecting self-motion perception	Owen, D.H.
AFHRL-TP-85-27 ADA159545 September 1985	11230373	Advanced Simulator for Pilot Training: Effects of collimation on accommodation and vergence	Bell, H.H. & Cuiffreda, K.J.
AFHRL-TR-85-28 ADA160905 September 1985	61143301	Flight training simulators: Effects of terrain accuracy on simulated radar image quality	Crane, P.M. & Bell, H.H.
AFHRL-TR-85-36 ADC039699 September 1986	11233701	Aircrew visual constraints on the modern battlefield: Effects of temporary visual disruptions and field of view limitations	Hughes. R.G.
AFHRL-TR-85-37 ADB097637 December 1985	11232601	Simulating air combat expertise	Goldsmith, T.E., Schvaneveldt, R.W., & Brunderman, J.A.
AFHRL-TP-85-38 ADA169198 July 1986	11232501	Low-cost avionics simulation for aircrew training	Edwards, B.J.
AFHRL-TR-85-39 ADB098065 December 1985	11233201	Flight simulator visual display requirements	Brown, L. & Brunderman, J.A.
AFHRL-TP-85-43 ADA164577 January 1986	23630001 11230379	Flight simulator: Comparison of resolution thresholds for two light valve video projectors	Crane, P.M., Gerlicher, J.P., & Bell, H.H.
AFHRL-TP-85-48 ADA166726 March 1986	11230358	Aircrew training devices: Utility and utilization of advanced instructional features (Phase II – ATC, MAC and SAC)	Polzella, D. & Hubbard, D.
AFHRL-TP-85-49	11230358	Aircrew training devices: Utility and utilization of	Polzella, D. &

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AFHRL-TP-85-52 ADB100124 March 1986	ILIR3005	Digital Radar Generator	Femal, D., Kautz, R., Pohedra, J., & Trimble, D.
AFHRL-TP-85-57 (I) ADA68308 (II) ADA68285	23590106	Vol I: Development of instructor support feature guidelines Vol II: Instructor support feature guidelines	Easter, A.W., Kryway, J.J., Olson, W.R., Peters, S.M., Slemon, G.K., & Obermayer, R.W.
AFHRL-TP-85-59 ADB102897 May 1986	27432501	Flight simulator: Wide field-of-view helmet-mounted, infinity display system	Welch, B.L., Kruk, R.V., Baribeau, J., Schlef, J., Shenker, M., & Weissman, P.

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AFHRL-TP-84-4 ADA148718 November 1984	2313T331	Optical flow and texture variables useful in detecting decelerating and accelerating self-motion	Owen, D.H.
AFHRL-TP-84-13 ADA145436 August 1984	23590104	Airborne performance measurement system design: C-5 aircraft	Barmatz, N.J., Daniell, T.R., Lombard, R., Schmitt, C.F., & Waag, W.L.
AFHRL-TR-84-22 ADA144674 July 1984	11230348	Comparison of color versus black and white visual displays as indicated by bombing and landing performance in the 2B35 TA-4J flight simulator	Kellogg, R.S., Woodruff, R.R., & Kennedy, R.S.
AFHRL-TR-84-27 ADA149641 December 1983	27430001	Wide field of view, helmet-mounted infinity display system development (CAE Electronics Ltd)	Welch, B.L., Moshopoulor, A., Logen, J., Stober, S., Williams, L., Shenker, M., Weissman, P., & Krouglicoff, N.
AFHRL-TP-84-29 ADA151115 February 1985	ILIR0022	Eye movement in response to single and multiple targets	Kenyon, R.V., Zeevi, Y.Y., Wetzel, P.A., & Young, L.R.
AFHRL-TR-84-31 ADB085449 August 1984	11231133	Classification/analysis system for early aircrew training	Taylor, R.H.
AFHRL-TP-84-32 ADA147124 October 1984	11230367	Practice makes perfect	Martin, E.L.
AFHRL-TR-84-33 ADA150342 December 1984	11230373	Low altitude texture comparison data base and smooth shaded texture	Phelps, M.
AFHRL-TR-84-36 ADA148636 September 1984	99830451	The IMAGE III Conference Proceedings held at Phoenix Arizona on 30 May-1 June 1984	Monroe, E.G.
AFHRL-TR-84-37 ADB088122 November 1984	11233201	Orientation range requirements for aerial combat tasks	Brown, L.
AFHRL-TR-84-39 ADA149285 November 1984	11231127	Close Air Support mission: Development of a unitary measure of pilot performance	Thomas, G.S.
AFHRL-TP-84-52 ADA152277 March 1983	11233701	Trends shaping advanced aircrew training capabilities through the 1990s	Hughes, R.G., & Brown, L.
AFHRL-TP-84-58 ADB092500 May 1985	11233701	Flight simulator: Effects of visual display field of view on A-10 aircraft Close Air Support performance	Hughes, R.G., & Brown, L.
AFHRL-TP-84-59 AD A155021 May 1985	11232501	Radar Warning Receiver Special Function Trainer: Preliminary evaluation	Brooks, R.B.
AFHRL-TR-84-65 ADA155326 May 1985	11233201	Advanced Simulator for Pilot Training and helmet mounted visual display configuration comparisons	Woodruff, R.R., Hubbard, D.C., & Shaw, A.

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AFHRL-TP-83-2 ADA129885 July 1983	2313T313	Conceptual structures in fighter pilots	Schvaneveldt, R.W., Anderson, M., Breen, T.J., Cooke, N.M., Goldsmith, T.E., Durso, F.T., & DeMaio, J.C.
AFHRL-TP-83-6 AD A134853 November 1983	ILIR0022	Temporal aspects of eye movement when viewing multiple targets	Zeevi, Y.Y., Wetzel, P.A., & Young, L.R.
AFHRL-TP-83-8 ADA133707 September 1983	ILIR0024	Effects of transport delay on simulator air-to-air engagements	Carey. M.S., Densmore, J.E., Jr., Kerchner, R.M., Lee, A.T., & Hughes, R.
AFHRL-TP-83-17 ADA133612 September 1983	11230332	Low level flight simulation: Vertical cues	Martin, E.L. & Rinalducci. E.J.
AFHRL-TP-83-19 ADA132051 August 1983	2313T328	Decision making and information processing under various uncertainty conditions	Schipper, L.M. & Doherty, M.
AFHRL-TP-83-21 AD A135868 November 1983	11230367	Surface attack mission simulation: Preliminary scenario evaluation	Martin, E.L. & Lidderdale, I.G.
AFHRL-TP-83-22 ADA135052 November 1983	11230358	Aircrew training devices: Utility and utilization of advanced instructional features (Phase I – Tactical Air Command)	Polzella, D.J.
AFHRL-TR-83-27 ADB081007 March 1984	23630003	Flight simulator: Improved performance silicon light valve	Schwartz, R.N., Efron, U., Little, M.J., Reif, P.G., Braatz, P.O., & Grinberg, J.
AFHRL-TP-83-32 ADA136546 December 1983	2313T312	Velocity control decision making ability: Relationship to flying capability and experience	DeMaio, J.C.
AFHRL-TP-83-36 ADB086064 September 1984	11230358	Application of Air Combat Maneuvering Instrumentation (ACMI) data for performance measurement	Hooks, J.T., Jr., & Kress, G.
AFHRL-TR-83-37 ADA132915 September 1983	23630001	Real visual image compensation for head motion parallax effects as a function of object distance	Duff, J.M.
AFHRL-TP-83-38 ADA134854 October 1983	11230342	Instructor station display for use in T-37 flight simulation training	Warner, H.D.
AFHRL-TP-83-39 ADB078183 November 1983	11921033	Nuclear warfare engagements on an F-16 flight simulator--Feasibility demonstration of software	Hickerson, J.K., Chavez, L., & Hughes, P.S.
AFHRL-TR-83-40 ADA139381 March 1984	2313T314	Biochemical measurements of the human stress response	Krahenbuhl, G.S. & Harris, J.
AFHRL-TR-83-45 ADA136590 December 1983	27430001	Nonlinear prediction of head movements for helmet-mounted displays	List, U.H.
AFHRL-TR-83-46 ADA137182 January 1984	27430001	Aircraft simulator: Multiple cockpit Combat Mission Trainer network	Cicero, J.A.
AFHRL-TR-83-49	2313T315	Physiological assessment of aircraft pilot workload in	Lindholm, E.,

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AFHRL-TR-83-53 ADC033750 March 1984	11230259	Flight simulator study to estimate the impact of a directed energy threat upon the A-10 Close Air Support mission	Hughes, R.G.
AFHRL-TP-83-56 ADB081060 March 1984	ILIR0030	Air combat maneuvering performance measurement system design	McGuinness, J., Forbes, J.M., & Rhoads, J.E.
AFHRL-TP-83-64 ADA141767 May 1984	2313T313	Cognitive organization as a function of flying experience	Schvaneveldt, R.W., Breen, T.J., Cooke, N.M., Durso, F.T., Goldsmith, T.E., Tucker, R.G., & DeMaio, J.C.

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AFHRL-TR-82-3 ADA118862 July 1982	11230234	Applications of simulator freeze to carrier glideslope tracking instruction	R.G. Hughes, R.G., Lintern, G., Wightman, D.C., Brooks, R.B., & Singleton, J.
AFHRL-TP-82-5 ADA114828 March 1982	19580110	Color television projection system using three cathode ray tubes	Lindenberg, K.W.
AFHRL-TP-82-6 ADA118721 July 1982	ILIR0047	Vision research for flight simulation	Richards, W., & Dismukes, K.
AFHRL-TR-82-15 ADA121901 October 1982	11231220	Air combat maneuvering performance measurement state space analysis	Woolridge, L., Kelley, M.J., Obermayer, R. W., Vreuls, D., & Nelson, W.H.
AFHRL-TP-82-25 (I) ADA131039 June 1983	61142302	Integrated Cuing Requirements (ICR) study: Feasibility analysis and demonstration	Farrell, R. & Barker, R.
AFHRL-TR-82-25 (II) ADA131119 July 1983	6114301	Integrated Cuing Requirements (ICR) study: Demonstration data base and users' guide	Farrell, R. & Barker, R.
AFHRL-TR-82-28 ADA129391 June 1983	61141913	Spatial orientation and motion cue environment study in the Total In-Flight Simulator	Borah, J. & Young, L.R.
AFHRL-TP-82-33 ADA131378 May 1983	11230252	Companion Trainer Aircraft: Concept test	Nullmeyer, R.T., Killion, T.H., & Wood, M.E.
AFHRL-TP-82-34 ADA128769 May 1983	11230252	Visual scene simulation requirements for C-5A/C-141B Aerial Refueling Part Task Trainer	Lee, A.T. & Lidderdale, I.G.
AFHRL-TP-82-38 ADA126229 March 1983	99830451	Electrical power line protection	Dube', W.M.
AFHRL-TR-82-39 ADB072581 March 1983	ILIR0024	Air combat simulation visual display requirements: An application of engagement simulation modeling	Kerchner, R., Lee, A., & Hughes, R.G.
AFHRL-TP-82-42 ADB071284 March 1983	11230259	Derivative fighter training considerations	Hughes, R.G., Graham, D.B.
AFHRL-TP-82-43 ADA130794 June 1983	11231115	Low altitude simulator training A-10 aircraft	Pierce. B.J.

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AFHRL-TP-81-3 ADA102510 July 1981	61141909	BIOCONAID System (Bionic Control of Acceleration Induced Dimming)	Rogers, D.B., Quam, D.L., Crouch, J.G., & Higgins, A.
AFHRL-TR-81-5 ADA097449 July 19981	2313T520	Refinements and validation testing of Human Operator Performance Emulator (HOPE)	Davenport, E.L., Green, J., Sears, W.E., III, & Engler, H.F.
AFHRL-TP-81-13 ADA104870 October 1981	11230234	Advanced Tactical Crew System (ATACS) issues and options: Impact on aircrew selection and training	Hughes, R.G.
AFHRL-TP-81-23 ADA107098 October 1981	61142109	Computer Image Generation: Advanced Visual/Sensor Simulation (AVSS)	Serreyn, D. & Duncan, D.
AFHRL-TR-81-25 ADA110569 January 1982	11230236	Conducting studies of transfer of learning: A practical guide	Payne, T.A.
AFHRL-TR-81-26 ADA110570 January 1982	11231218	Simulator for Air-to-Air Combat vs real world: Visual cue analysis for simulated air-to-air combat training	Coward, R.E. & Rupp, A.M.
AFHRL-TR-81-27 (I) ADA116308 (II) ADB065603 June 1982		Vol I - Wide angle, multiviewer, infinity display system Vol II- Wide angle, multiviewer, infinity display system: Appendixes A & B	Whyte, I., & Zepf, A.W.
AFHRL-TP-81-29 ADB062680 February 1982	61142102	Computer image generation: Advanced Visual/Sensor Simulation (AVSS)	Gardner, G.Y., & Gershowitz. M.N.
AFHRL-TR-81-35 ADA110928 November 1982	23630002	Silicon liquid crystal light valve for flight simulation applications	Efron, U., Grinsberg, J., Reif, P.G., & Braatz, P.
AFHRL-TP-81-38 ADA108724 December 1981	99830451	Task analytic techniques: Application to the design of a flight simulator instructor/operator console	Sanders, C.D.
AFHRL-TP-81-41 ADA108087 November 1981	11230367	Experience with flight simulators--Training effectiveness and future developments	Smith. J.F.
AFHRL-TP-81-44 (I) ADA112498 February 1982 (II) ADA112570 February 1982 (III) ADA112569 February 1982	11231103	(I) Operational Test & Evaluation Handbook for aircrew training devices: Planning and management (II) OT&E Handbook: Operational effectiveness evaluation (III) OT&E Handbook: Operational suitability evaluation	Gray, T.H. Hagin, W.V., Osborne, S.R., Hockenberger, R.L., & Smith, J.F., Hagin, W.V., Osborne, S.R., Hockenberger, R.L., & Smith, J.F., & Gray, T.H.
AFHRL-TR-81-46 ADA116510 June 1982	2313T313	Structures of memory for critical flight information	Schvaneveldt, R.W., Goldsmith, T.E., Durso, F.T., Maxwell, K., Acosta, H.M., & Tucker, R.G.
AFHRL-TR-81-47	19580111	Polystyrene corrector element added to existing positive	Tucker, A.R.

ADA112345 February 1982		acrytate for simulator collimator	
AFHRL-TR-81-48 ADA110226 November 1981	99839451	1981 IMAGE II Conference proceedings	Monroe. E.G.
AFHRL-TR-81-53 ADA113463 March 1982	11231114	Manual Reversion Flight Control System for A-10 Aircraft: Pilot performance and simulator cue effects	Gray, T.H.
AFHRL-TP-81-56 ADB066451 July 1982	11231111	Force cue requirements for A-10 simulator weapons delivery training	Brooks, R.B. & Lyon, D.R.

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AFHRL-TR-80-9 ADA088730 August 1980	11230235	Specialized Undergraduate Pilot Training: Tanker/ Transport/Bomber (TTB) training requirements	Dean, J., Overton, R., Miller, R., Lankford, H., & Hughes, R.G.
AFHRL-TR-80-10 / NAVTRAEQUIPC-IH-319 ADA087012 June 1980	11230350	Field of view requirements for carrier landing training	Collyer, S.C., Ricard, G.L., Anderson, M., Westra, D.P., & Perry, R.A.
AFHRL-TR-80-13 ADA093734 December 1980	61142106	Flight training simulator: Surface texturing via pseudo random noise codes	deSpautz, J.F., Bender, M.B., & McNamara, V.M.
AFHRL-TR-80-14 ADA092558 October 1980	61142306	Tactical performance characterization applied to student pilots	Walsh, M.I., Burgin, G.H., & Fogel, L.J.
AFHRL-TR-80-15 ADA088802 July 1980	2313T512	Undergraduate Pilot Training: Instructor pilot behavior and student stress and performance	Krahenbuhl, G.S., Darst, P.W., Marett, J.R., Reuther, L.C., & Constable, S.H.
AFHRL-TR-80-16 ADA088803 July 1980	2313T512	Pilot stress in A-10 surface attack training	Krahenbuhl, G.S., Marett, J.R., Reuther, L.C., Constable, S.H., & Reid, G.B.
AFHRL-TR-80-18 ADA088316 August 1980	61142203	Psychophysical criteria for visual simulation systems: Phase II - Experimental investigations of display joints and scene inserts	Kraft, C.L., & Anderson, C.D.
AFHRL-TR-80-19 ADA087828 August 1980	61142204	Depth perception in visual simulation	Harker, G.S., & Jones, P.D.
TP-AFHRL-TR-80-20 ADA094608 January 1981	11231104	Advanced flight simulator: Utilization in A-10 conversion and air-to-surface attack training	Gray, T.H., Chun, E.K., Warner, H.D., & Eubanks, J.L.
AFHRL-TR-80-30 ADB053504 December 1980	11230120	Adaptive performance testing system for surface attack tasks in the Advanced Simulator for Pilot Training	Wooldridge, L., Kelley, M.J., Vreuls, D., Cotton, J.C., Martin, E.L., & Norman, D.A.
AFHRL-TR-80-33 ADA091229 October 1980	11230236 11230337	Pop-Up weapon delivery maneuver: Use of pilot self-assessment data in analysis of critical components	Lyon, D.R., Eubanks, J.L., Killion, T.H., Nullmeyer, R.T., & Eddowes, E.E.
AFHRL-TR-80-36 ADA094665 January 1981		Aircrew training devices: Fidelity features	Semple, C.A., Hennessy, R.T., Sanders, M.S., Cross, B.K., Beith, B.H., & McCauley. M.E.
AFHRL-TP-80-41 ADA109127 December 1981	61141908	(I) Study and design of high G augmentation devices for flight simulators	Kron, G.J., Cardullo, F.M., & Young, L.R.
AFHRL-TR-80-42 (I) ADA096187 (II) ADA096456	61142304	Software partitioning schemes for advanced simulation computer systems (Part I and Part II)	Clymer, S.J.
AFHRL-TR-80-43	61142305	Advanced multiple processor configuration study	Clymer, S.J.

ADA101919 May 1981			
AFHRL-TR-80-45 ADA095826 March 1981	11230236	Skills Maintenance and Reacquisition Training research program: Tactical Air Command preliminary evaluation	Eddowes, E.E., DeMaio, J.C., Pierce, B.J., Eubanks, J.L., Lyon, D.R., Killion, T.H., & Nullmeyer, R.T.
AFHRL-TR-80-48 ADA098849 April 1981	61142307	Instructor-simulator interface design	CAE Electronics
AFHRL-TR-80-53 ADA096890 March 1981	19580102	Wide angle, color, holographic infinity optics display	Magarinos, J.R., & Coleman, D.J.
AFHRL-TR-80-54 ADA105508 September 1981	19580101	Low cost, wide angle infinity optics visual system	Magarinos, J.R., Coleman, D.J., & Lenczowski, T.
AFHRL-TR-80-60 ADA101951 July 1981	61142303	Flight simulator: Use of Spacegraph display in an instructor/operator station	Sher, L.D.
AFHRL-TR-80-61 ADA103365 August 1981	61142104	Advanced computer image generation techniques exploiting perceptual characteristics	Stenger, A.J., Zimmerlin, T.A., Thomas, J.P., & Braunstein, M.
AFHRL-TR-80-62 ADB056200 April 1981	19580103	Liquid crystal light valve color projector	Carson, R.T., Grinberg, J., Bleha, W.T.

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AFHRL-TR-79-3 ADA077429 September 1979	11231206	Air combat maneuvering performance measurement	Kelley, M.J., Wooldridge. L., Hennessey, R.T., Vreuls, D., Barnebey, S.F., & Cotton, J.C.
AFHRL-TR-79-7 ADA072611 January 1979	11230236	Airborne performance measurement methodology application and validation: F-4 pop-up training evaluation	Pierce, B.J., DeMaio, J.C., Eddowes, E.W., & Yates, D.
AFHRL-TR-79-15 ADA071033 June 1979	11231216	Air combat training: Good Stick Index validation	Moore, S.B., & Madison, W.G., Sepp, G.D., Stracener, J.T., & Coward, R.E.
AFHRL-TR-79-17 ADA071410 June 1979	11230316	Effects of varying visual display characteristics of the T-4G, a T-37 flight simulator	Woodruff, R.R.
AFHRL-TR-79-18 ADA072612 July 1979	11231204	Simulator for Air-to-Air Combat motion system investigation	Seevers, J.A. & Makinney, R.L.
AFHRL-TR-79-25 ADA078426 November 1979	11230328	Platform motion contributions to simulator training effectiveness: Study III – Interaction of motion with field-of-view	Nataupsky, M., Waag, W.L., Weyer, D.C., McFadden, R.W., & McDowell, E.
AFHRL-TR-79-27 ADA095070 January 1981	19580307	Real-time feasibility for generation of nonlinear textured terrain	Soland, D., Voth, M., & Narendra, P.
AFHRL-TR-79-30 ADA084776 May 1980	61142203	Psychophysical criteria for visual simulation systems	Kraft, C.L., Anderson, C.D., & Elworth, C.L.
AFHRL-TR-79-37 ADA079796 October 1979	11231108	Boom Operator Part-Task Trainer: Test and evaluation of the transfer of training	Gray, T.H.
AFHRL-TR-79-38 ADA081750 January 1980	11230234	Applied behavior analysis in flying training research	Bailey, J.S., & Hughes, R.G.
AFHRL-TR-79-39 ADB044765L February 1980	11230340	Cost-effectiveness methodology for aircrew training devices: Model development and users handbook	Marcus, G.H., Patterson, J.T., Bennett. C.D., & Gershan, B.S.
AFHRL-TR-79-41 ADA097208 March 1981	61142309	Instructor/operator display evaluation methods	Elworth, C.
AFHRL-TR-79-44 ADA087068 July 1980	11230236	Airborne performance measurement assessment: Low altitude tactical formation in two operating environments	DeMaio, J.C. & Eddowes, E.E.
AFHRL-TR-79-47 ADA080857 December 1979	2313T509	Attention and task complexity as indicated by physiological indices	Lindholm, E., Ruppel, M., & Buckland, G.H.
AFHRL-TR-79-51 ADA095930 February 1981	11230114	Training effectiveness of platform motion: Review of motion research involving the Advanced Simulator for Pilot Training and the Simulator for Air-to-Air Combat	Martin, E.L.
AFHRL-TR-79-52	11230234	Application of flight simulator record/playback feature	Hughes, R.G.,

AD A081752 December 1979			Hannan, S.T., & Jones, W.E.
AFHRL-TR-79-56 ADA088313 July 1980	11230319	Computer generated image: Relative training effectiveness of day versus night visual scenes	Martin, E.L., & Cataneo, D.F.
AFHRL-TR-79-57 ADA088855 August 1980	11230108	Advanced Simulator for Pilot Training: Design of automated performance measurement system	Fuller, J.H., Waag, W.L., & Martin, E.L.
AFHRL-TR-79-60 ADA084695 April 1980	2313T320	Human operator control strategy model	Engler, H.F., Davenport, E.L., Green, J., & Sears, W.E., III.
AFHRL-TR-79-63 ADA085610 April 1980	11230234	Application of backward chaining to air-to-surface weapons delivery training	Bailry, J., Hughes, R.G., & Jones, W.E.
AFHRL-TR-79-72 ADA094530 January 1981	11231110	Training effectiveness of visual and motion simulation	Waag, W.L.
AFHRL-TR-79-81 ADA089434 August 1980	11230332	Flight simulator runway visual textural cues for landing	Buckland, G.H., Monroe, E.G., & Mehrer, K.I.
AFHRL-TR-79-84 ADA081074 December 1979	11231209	Simulator training effectiveness as a function of error counts on the F-15A flight simulator instructor/operator station	Micalizzi, J., Coward, R.E., & Nelson, W.H.

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AFHRL-TR-78-5 ADA055690 April 1978	2313T505	Measurement of attentional capacity load using dual-task performance operating curves	Colle, H.A., & DeMaio, J.
AFHRL-TR-78-9 ADA055691 June 1978	11230325	Effects of platform motion, visual and G-seat factors upon experienced pilot performance in the flight simulator	Irish, P.A. III & Buckland, G.H.
AFHRL-TR-78-11 ADA055692 May 1978	11230346	Area of interest/field-of-view research using ASPT	LeMaster, W.D. & Longridge, T.M.
AFHRL-TR-78-15 ADA058416 June 1978	11230114	Contributions of platform motion to simulator training effectiveness: Study I – Basic contact	Martin, E.L. & Waag, W.L.
AFHRL-TR-78-16 ADA060253 June 1978	11230341	Training effectiveness of three types of visual systems for KC-135 flight simulators	Thorpe, J.A., Varney, N.C., McFadden, R.W., LeMaster, W.D., & Short, L.H.
AFHRL-TR-78-17 ADA059741 May 1978	2313T501	Effects of student-preferred incentives in university courses	Bebeau, M.J. & Sullivan, H.J.
AFHRL-TR-78-22 ADA058139 July 1978	2313T505	Evaluation of a Low Fidelity Simulator (LFS) for instrument training	Crosby, J.V., Pohlmann, L.D., Leshowitz, B., & Waag, W.L.
AFHRL-TR-78-23 ADA06320 July 1978	11230311	Evaluation of the Automated Adaptive Flight Training System's air-to-air intercept performance measurement	Grunzke, P.M.
AFHRL-TR-78-26 ADA05742 August 1978	11231208	Subjective motion discrimination in the Simulator for Air-to-Air Combat	Irish, P.A., III & Brown, J.E.
AFHRL-TR-78-39 ADA059744 August 1978	11230114	Motion systems role in flight simulators for flying training	Cyrus, M.L.
AFHRL-TR-78-42 (I) ADA061387 Sep 78 (II) ADA061388 Sep 78 (III) ADA061478 Sep 78	11230232	Development and application of a task taxonomy for tactical flying - Volumes I, II, and III	Meyer, R.P., Lavenson, J.I., Pape, G.L., & Edwards, B.J.
AFHRL-TR-78-46 ADA056720 June 1978	11920403	Compensation for transport delays induced by computer image generation systems	Ricard, G.L., Cyrus, M.L., Cos, D.C., Templeton, T.K., & Thompson, L.C.
AFHRL-TR-78-51 ADA063283 September 1978	11231014	Advanced Simulator for Pilot Training (ASPT): Aerial refueling visual simulation - Engineering development	Monroe, E.G., Mehrer, K.I., Engel, R.L., Hannan, S.T., & McHugh, J.
AFHRL-TR-78-52 ADA064 05 September 1978	11230114	Contributions of platform motion to simulator training effectiveness: Study II – Aerobatics	Martin, E.L. & Waag, W.L.
AFHRL-TR-78-53 ADA062738 October 1978	11231208	Air-to-air combat skills: Contribution of platform motion to initial training	Pohlmann, L.D. & Reed, J.C.
AFHRL-TR-78-54	11230115	Definition of requirements for a performance measurement	Swink, J.R., Butler,

ADA063282 October 1978		system for C-5 aircrew members	E.A., Lankford, H.E., Miller, R.M., & Watkins, H.
AFHRL-TR-78-55 ADA059857 September 1978	11920412	Advanced Simulator for Pilot Training (ASPT): Refinement of environmental data base generation system	Miller, R.H.
AFHRL-TR-78-59 ADA064689 December 1978	11230229	Instructional Systems Development (ISD) in Air Force flying training	Miller, R.A., Swink, J.A., & McKenzie, J.F.
AFHRL-TR-78-72 ADA067765 March 1979	11231209	F-15 flight simulator: Development and analysis of computer scoring algorithm	McDonald, M.J., Smith, B.A., Evans, D.W., Baer, L.H., & Nelson, W.H.
AFHRL-TR-78-75 ADA066660 January 1979	11231204	Air Refueling Director Lights Trainer: Analysis and evaluation of training effectiveness	Reed, J.A. & Reed, J.C.
AFHRL-TR-78-78 ADA068141 February 1979	11230228	Undergraduate Pilot Training: Visual discrimination pretraining for landing task	Edwards, B.J., Weyer, D.C., & Smith, B.A.
AFHRL-TR-78-92 ADA068475 February 1979	11231008	Advanced Simulator for Pilot Training (ASPT): G-Seat optimization	McGuire, D.C. & Lee, D.R.
AFHRL-TR-78-95 ADA066670 February 1979	2313T501	Stress and simulation in pilot training	Krahenbuhl, G.S., Marett, J.R., & Reid. G.B.
AFHRL-TR-78-96 ADA068142 March 1979	11230234	Advanced training features: Bridging the gap between in-flight and simulator-based models of flying training	Hughes, R.G.
AFHRL-TR-78-98 ADA070231 May 1979	11921014	Pilot performance in simulated aerial refueling as a function of tanker model complexity and visual display field of view	Woodruff, R.R., Longridge, T.M., Irish, P.A., III, & Jeffreys, R.T.

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AFHRL-TR-77-2 ADA046065 August 1977	2313T501	Assessing instrument sensitivity for heading and attitude information	Kulhavy, R.W., Schmid, R.F., & Dean, R.S.
AFHRL-TR-77-3 ADA041734 May 1977	2313T501	Stress and performance in T-37 pilot training	Krahenbuhl, G.S., Marett, J.R., & King, N.W.
AFHRL-TR-77-4 ADA040550 March 1977	11230301	Buffet simulation for Advanced Simulator for Pilot Training (ASPT)	Cyrus, M.L., & Templeton, T.
AFHRL-TR-77-5 ADA043194 May 1977	11230301	Engineering and geometric constraints of a six degree of freedom synergistic platform motion system	Cyrus, M.L.
AFHRL-TR-77-6 ADA040551 March 1977	11230301	Method for compensating transport lags in computer image generation visual displays for flight simulation	Cyrus, M.L.
AFHRL-TR-77-7 ADA040443 March 1977	11230301	Energy conservation through the optimization of hydraulic power supplies for the six degree of freedom motion system	Cyrus, M.L.
AFHRL-TR-77-9 ADA041733 May 1977	2313T501	Learning incentives preferred by university students	Bebeau, M.J., Sullivan, H.J., & Eubanks, J.L.
AFHRL-TR-77-12 ADA040753 April 1977	11230301	Project Constant Growth: Pilot attitudes	Kantor, J.E., Noble, B.E., & Reid, G.B.
AFHRL-TR-77-13 ADA043195 April 1977	11230318	The effects of system and environmental factors upon experienced pilot performance in the Advanced Simulator for Pilot Training	Irish, P.A., III, Grunzke, P.M., Gray, T.H., & Waters, B.K.
AFHRL-TR-77-14 AD A043017 May 1977	11230301	Computer graphics: Two and three dimensional clipping	Cyrus, M.L. & Beck, J.,
AFHRL-TR-77-23 ADA043197 June 1977	11230215	Formation Flight Trainer evaluation for T-37 UPT	Reid, G.B. & Cyrus, M.L.
AFHRL-TR-77-29 ADA043649 July 1977	11230327	Effects of simulator training and platform motion on air-to-surface weapons delivery training	Gray, T.H. & Fuller, R.R.
AFHRL-TR-77-61 ADA052624 December 1977	11230324	Evaluation of T-37 IFS syllabi in the ASPT	Weyer, D.C. & Fuller, J.H.
AFHRL-TR-77-62 ADA048816 October 1977	2313T502	Cognitive pretraining: An aid in the transition from instrument to composite flying	Crosby, J.V. & Reid, G.B.
AFHRL-TR-77-72 ADA052622 December 1977	11230301	Proceedings of the Simulator Effectiveness Research planning meeting	Eddowes, E.E., Thorpe, J.A., Richeson, W.E., & Waag, W.L.
Proceedings ADA044582 January 1977		Proceedings of the 1977 IMAGE Conference (Held at Williams AFB AZ on May 17-18, 1977)	Monroe, E.G.

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AFHRL-TR-76-4 ADA025846 May 1976	11230301	Continuation versus recurrent pilot training	Smith; J.F. & Matheny, W.G.
AFHRL-TR-76-10 ADA023634 June 1976	2313T502	Visual scanning: Comparisons between student and instructor pilots	DeMaio, J., Parkinson, S., Leshowitz, B., Crosby, J., & Thorpe, J.A.
AFHRL-TR-76-11 ADA028477 July 1976	2313T501	Differential incentive effects under varying instruction conditions	Eubanks, J.L.
AFHRL-TR-76-12 ADA028484 May 1976	11230501	Similarities and differences among superior, marginal and eliminated Undergraduate Pilot Training students	King, N.W. & Eddowes, E.E.
AFHRL-TR-76-14 ADA031801 June 1976	11230220	Development and evaluation of pretraining as an adjunct to a pilot training study	McFadden, R.W., Edwards, B.J., & Tyler, D.M.
AFHRL-TR-76-40 ADA034319 June 1976	61140522	ASUPT visual simulation of air-to-surface weapons delivery	Monroe, E.G., Rife, R.W., Cyrus, M.L., & Thompson, L.C.
AFHRL-TR-76-47 (I) AD A028483 June 1976	11230227	Situational emergency training: F-15 emergency procedures training program	Thorpe, J.A., Martin, E.L., Edwards, B.J., & Eddowes, E.E.
AFHRL-TR-76-65 ADA035682 October 1976	11230220	Investigation of diagnostic, error detector, and self-taught instructional strategies for flight simulator programs	Tyler, D.M., McFadden, R.W., Eddowes, E.E., & Fuller, R.R.
AFHRL-TR-76-73 ADA034321 January 1975	11230301	Brain electrophysiological concomitants of hemispheric laterality while processing altimeter display information (Doctoral dissertation – AFIT-CI-76-39)	Buckland, G.H.
AFHRL-TR-76-84 ADA039267 December 1976	11230321	Full mission simulation in Undergraduate Pilot Training: An exploratory study	Woodruff, R.R., Smith, J.F., Fuller, J.H., Jr., & Weyer, D.C.
AFHRL-TR-76-90 ADA037521 December 1976	11230321	Development of a syllabus and student/instructor guide for use with a full mission simulator	Weyer, D.C. & Fuller, J.H., Jr.

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AFHRL-TR-75-3 ADA014799 March 1975	11230108	ASUPT (Advanced Simulation in Undergraduate Pilot Training) automated objective performance measurement system	Waag, W.L., Eddowes, E.E., Fuller, J.H., Jr., & Fuller, R.R.
AFHRL-TR-75-8 ADA016417 July 1975	11230501	Self-perceived problems of student pilots eliminated from Undergraduate Pilot Training	Eddowes, E.E., & King, N.W.
AFHRL-TR-75-19 ADA017472 August 1975	11230306	Undergraduate Pilot Training Task Frequency Study	Brown, J.E., & Rust, S.K.
AFHRL-TR-75-24 ADA017845 August 1975	11920202	The environmental data base development process for the ASUPT CIG system	Monroe, E.G.
AFHRL-TR-75-26 (I) ADA017168 August 1975	11230307	AFHRL/FT capabilities in Undergraduate Pilot Training simulation research: Executive summary	Matheny, W.G., Gray, T.H., & Waters, B.K.
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AFHRL-TR-75-27 ADA018611 October 1975	11210310	Empirical investigation of the stradaptive testing model for the measurement of human ability	Waters, B.K.
AFHRL-TR-75-42 ADA017844 September 1975	11230306	Undergraduate Pilot Training Task Maneuver Times Study	Brown, J.E., Mullen, J.T., & Rust, S.K.
AFHRL-TR-75-49 ADA016487 July 1975	11230214	Preliminary operational evaluation of an audiovisual instrument trainer	Eddowes, E.E., McKee, P.L., Matheney, W.G., & Crowder, N.A.
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AFHRL-TR-75-62 ADA020115 November 1975	11230503	Undergraduate Navigator Training attrition study	DeVries, P.B., Jr., McKenzie, J.G., Yakimo, R., & Curtin, J.G.
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AFHRL-TR-74-33	11230217	Behavioral taxonomy of Undergraduate Pilot Training tasks and skills:	
ADA008771 December 1974		Vol I Executive summary	Meyer, R.P., Laveson, J.I., Weissman, N.S., & Eddowes, E.E.
ADA000053 January 1974		Vol II Surface task analysis, taxonomy structure, classification rules & validation and plan	Meyer, R.P., Laveson, J.I., Weissman, N.S., & Eddowes, E.E.
ADA008201 December 1974		Vol III Taxonomy refinement, validation and operations	Meyer, R.P., Laveson, J.I., Weissman, N.S., & Eddowes, E.E.
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AFHRL-TR-74-43 AD0786411 June 1974	11230301	Advanced Simulation in Undergraduate Pilot Training (ASUPT) Facility Utilization Plan	Hagin, W.V. & Smith, J.F.
AFHRL-TR-74-44 AD0786412 June 1974	11230303	Syllabus and syllabus development techniques used in evaluating the A/F37A/T-4G flight simulator	Rust, S.K., Smith, J.F., & Woodruff, R.R.
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AFHRL-TR-74-55 AD0786427 July 1974	11230205	The empirical derivation of equations for predicting subjective textual information	Kauffman, D., Johnson, M., & Knight, G.
AFHRL-TR-74-61 AD0786413 July 1974	11230303	Use of the T-4G simulator in USAF Undergraduate Pilot Training (UPT), Phase I	Woodruff, R.R., Smith, J.F., & Morris, R.A.
AFHRL-TR-74-63 ADA000046 July 1974	11230108	A cognitive model of what is learned during flying training	Eddowes, E.E.
AFHRL-TR-74-78 ADA008197 November 1974	11230303	T-4G simulator and T-4 ground training devices in USAF Undergraduate Pilot Training (UPT)	Woodruff, R.R. & Smith, J.F.
AFHRL-TR-74-79 ADA007721 December 1974	11380102	Visual and auditory information processing aspects of the acquistion of flying skills	Haygood, R.C., Leshowitz, B., Parkinson, S.R. & Eddowes, E.E.
AFHRL-TR-74-86 ADA009995 December 1974	11230313	Ground Training Devices in Job Sample Approach to UPT Selection and Screening	LeMaster, W.D. & Gray, T.H.
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AFHRL-TR-74-102 ADA009638 December 1974	11230215	Transfer of training with Formation Flight Trainer	Reid, G.B. & Cyrus, M.L.
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AFHRL-TR-74-104	11230205	Practice and incentive effects on learner performance:	Tenpas, B.G., Higgins,

ADA011616 December 1974		Aircraft instrument comprehension task	N.C., & Reid, G.B.
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AFHRL-TR-74-108 (I) ADB005517 December 1974	11230101	Combat-ready crew performance measurement system study: Final Report	Obermeyer, R.W., Vruels, D., Muckler, F.A., Conway, E.J., & Fitzgerald, J.A.
AFHRL-TR-74-108 (II) ADB005518 December 1974		Combat-ready crew performance measurement system study: Phase I Measurement requirements	Obermeyer, R.W., & Vruels, D.
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AFHRL-TR-73-67 AD0775043 February 1974	11230502	An examination of some behavioral correlates of Air Force Undergraduate Pilot Training through use of the Porter & Lawler performance/satisfaction model	Lohmann, D.P.
AFHRL-TR-73-71	11230208	Media adjunct programming: An individualized media-managed approach to academic pilot training	McCombs. B.L., Marco, R.A., Sprouls, M.A., & Reid, G.B.
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AFHRL-TR-72-10	11232601	Navigator-observer utilization field flying specialties study	
AD0529925		Appendix I: Present and future role of the navigator	Semple, C.A. Jr., Heapy, R.J., Andross, N.E., & MacArgel, R.E.
AD0907096		Appendix II: Common and non-common operational task requirements	Semple, C.A. Jr., Heapy, R.J., & Conway, E.J.
AD0907098		Appendix III: Development of Training Requirements	Semple, C.A. Jr., Heapy, R.J., & Conway, E.J.
AFHRL-TR-72-11 AD0739190 April 1972	11230301	An instructional manual for using performance record sheets designed for primary pilot training (This was written in 1952 but submitted to DTIC in March 1972.)	Smith, J.F. Flexman, R.E.
AFHRL-TR-72-52 ADF220320	11230203	Audio-video recording in pilot instructor training	Reid, G.B. & Horner, R.
AFHRL-TR-72-55 AD0744041 October 1971	11230206	Evaluation of airborne audio-video recording as a tool for training in the A-7D tactical fighter	Fitzgerald, J.A. & Moulton, D.L.
AFHRL-TR-72-59	11230101	Combat-ready crew performance measurement system study	Obermayer, D.
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AFHRL-TR-71-14 AD0732611 October 1971	11230903	Multi-media in USAF pilot training	Wood, M.E.
AFHRL-TR-71-18 AD0732616 May 1971	11230104	Development of automated GAT-1 performance measures	Goebel, R.A. & Hill, J.
AFHRL-TR-71-20 AD0736818 May 1971	11230103	Evaluation of an airborne audio video recording system for a head-up display equipped aircraft	Fitzgerald, J.A.
AFHRL-TR-71-36 AD0727009 March 1971	11230301	What's new on the training horizon?	Anderson, D.O. & Hagin, W.V.
AFHRL-TR-71-50 AD0741747 November 1971	11230701	Using a ground trainer (GAT-1) in a job sample approach to predicting pilot performance	Goebel, R.A., Baum, D.R., & Hagin, W.V.

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AFHRL-TR-70-30 AD0723311 August 1970	171003	Continuously adaptive vs discrete changes of task difficulty in the training of a complex perceptual-motor task	Wood, M.E.
AFHRL-TR-70-31 AD0723313 August 1970	11230903	Improved crew member training through a new philosophy toward training	Wood, M.E.
AFHRL-TR-70-33 AD0727025 November 1970	11230201	Airborne audio-video recording design considerations	Wood, M.E.
AFHRL-TR-70-34 AD0728685 November 1970	17100313	Single-concept films in the training of flight skills	Wood, M.E.
AFHRL-TR-70-38 AD0727054 November 1970	11230207	Effects of "real world" radio chatter on mid-phase instrument ground trainer proficiency: A pilot study	Goebel, R.A., Williamson, R.L., & Baum, D.R.
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AFHRL-(FT)-TRM-5 AD F630111 March 1971		Evaluation of the Simulator for Air-to-Air Combat display by AFHRL/FT	Woodruff, R.R., & Oliver, R.C.
TRM-6		An investigation of field-of-view requirements for advanced simulation in UPT	Oliver, R.C. & Main, P.S.
TRM-11		Producing 35MM "word" slides with white letters on colored background	Wood, M.E. & Rubin, R.M.
TRM-18		Advanced Simulation in Undergraduate Pilot Training (ASUPT) simulator utilization concept	Main, P.S., Bell, F.E. III, & Woodruff, R.R.
TRM-25		T-4G syllabus	Rust, S.K.
TRM-26 Sup #1 Sup #2		Use of the A/F37A simulator in the T-37 Air Force Undergraduate Pilot Training syllabus	Woodruff, R.R., & Smith, J.F.
TRM-27	11230308	Training methods: Basic versus advanced instrumentation	LeMaster, W.D.
TRM-32		Grading system for the T4G simulator students in the T-37 UPT syllabus study	Woodruff, R.R.
TN-73-01		Advanced Simulation in Undergraduate Pilot Training (ASUPT) - Technical fact sheet	Bell, F.E. III
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Jul 75		ASUPT Operational Utilizational Test syllabus	

TRM – Technical Research Memorandum
TN   - Technical Note